



**NATIONAL BIO AND AGRO-DEFENSE FACILITY**  
Science and Technology Directorate/Office of National Laboratories



# **NATIONAL BIO AND AGRO-DEFENSE FACILITY**

## **FINAL ENVIRONMENTAL IMPACT STATEMENT**

### **APPENDIX G**

### **AGENCY COORDINATION**

**DECEMBER 2008**

**U.S. DEPARTMENT OF HOMELAND SECURITY**

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## **Introduction**

Appendix G contains pertinent correspondence regarding DHS efforts in coordinating with other federal and state agencies. Specifically, this appendix contains coordination with the U.S. Environmental Protection Agency regarding Section 309 of the Clean Air Act and the National Environmental Policy Act; the Natural Resources Conservation Service regarding the Farmland Policy Protection Act; the U.S. Army Corps of Engineers regarding Section 404 of the Clean Water Act; the U.S. Fish and Wildlife Service regarding Section 7 of the Endangered Species Act; various State Historic Preservation Officers regarding the National Historic Preservation Act; and potentially interested Indian Tribal Governments regarding National Historic Preservation Act, Executive Order 13175, Consultation and Coordination with Indian Tribal Governments, The American Indian Religious Freedom Act, and Executive Order 13007, Indian Sacred Sites. In some cases, the local consortia initiated consultation on behalf of the property owners. DHS initiated or followed up with many of the consultations, so correspondence in the following sections will contain consultation letters to and from both DHS and the various consortia. Tables are provided at the beginning of each consultation section to assist the reader in understanding the processes.

**Section 309 of the Clean Air Act and  
National Environmental Policy Act**





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

AUG 21 2008

OFFICE OF  
ENFORCEMENT AND  
COMPLIANCE ASSURANCE

U.S. Department of Homeland Security  
Science and Technology Directorate  
James V. Johnson  
Mail Stop #2100  
245 Murray Lane SW., Building 410  
Washington, DC 20528

Dear Mr. Johnson:

In accordance with our responsibilities under Section 309 of the Clean Air Act and the National Environmental Policy Act (NEPA), the Environmental Protection Agency (EPA) has reviewed the U.S. Department of Homeland Security's draft Environmental Impact Statement (EIS) on the National Bio and Agro-Defense Facility (CEQ# 20080252).

This draft EIS evaluates the Department of Homeland Security's proposal to site, construct, and operate a National Bio and Agro-Defense Facility (NBAF). The NBAF will be operated as a biosafety level-3 and level-4 research facility that would allow basic and advanced research, diagnostic testing and validation, countermeasure development, and diagnostic training for addressing high-consequence livestock diseases to U.S. agriculture and public health. Six alternative sites were evaluated in the draft EIS: Athens, Georgia; Manhattan, Kansas; Flora, Mississippi; Plum Island, New York; Butner, North Carolina; and San Antonio, Texas. However, a preferred alternative was not identified in the draft EIS.

EPA believes that this draft EIS provides an adequate discussion of the potential environmental impacts. Moreover, the draft EIS does not identify any significant environmental effects that will result in this action. Therefore, EPA has no objection to the proposed action discussed in this draft EIS.

We appreciate the opportunity to review this draft EIS. The staff contact for this review is Candi Schaedle; she can be reached at (202) 564-6121.

Sincerely,

A handwritten signature in dark ink, appearing to read "Susan E. Bromm", is written over a faint, larger version of the same signature.

Susan E. Bromm  
Director  
Office of Federal Activities

# **Farmland Protection Policy Act**

<b>Farmland Protection Policy Act</b>			
	<b>Consultation Initiated</b>	<b>Supplemental Contact</b>	<b>Agency Response</b>
<b>South Milledge Avenue Site Alternative</b>	April 22, 2008	Phone call to The Monroe Service Center Office, NRCS on October 21, 2008	October 21, 2008
<b>Manhattan Campus Site Alternative</b>	April 22, 2008		May 9, 2008
<b>Flora Industrial Park Site Alternative</b>	April 22, 2008	Phone call to The Canton Service Center Office, NRCS on October 21, 2008	May 27, 2008
<b>Plum Island Site Alternative</b>	April 22, 2008		May 1, 2008
<b>Unstead Research Park Site Alternative</b>	April 22, 2008		May 6, 2008
<b>Texas Research Park Site Alternative</b>	April 22, 2008		August 14, 2008



**DIAL CORDY**  
**AND ASSOCIATES INC**  
*Environmental Consultants*

April 22, 2008

Natural Resources Conservation Service  
Monroe Service Center  
111 E. Spring Street  
Monroe, GA 30655

Dear Madam/Sir:

The Department of Homeland Security (DHS) is currently preparing a Draft Environmental Impact Statement (DEIS) that will assess the environmental consequences resulting from the site selection, construction, and operation of the proposed National Bio and Agro-Defense Facility (NBAF). The NBAF would be used to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases. Project alternatives include six locations in Athens, Georgia; Butner, North Carolina; Flora, Mississippi; Manhattan, Kansas; Plum Island, New York; and San Antonio, Texas. DHS has completed form AD-1006, Farmland Conversion Impact Rating for each site and is requesting review and determination of compliance with the FPPA with the NRCS Monroe Service Center regarding the South Milledge Avenue Site in Athens, GA.

A copy of the forthcoming DEIS will be provided to the Monroe Service Center for additional project review and comment. The attachments to this letter include a soils map and copy of form AD-1006 for the South Milledge Avenue Site. DHS appreciates your assistance with this project.

Sincerely,

DIAL CORDY AND ASSOCIATES INC.

Lee Swain  
Vice President

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April 22, 2008

# FARMLAND CONVERSION IMPACT RATING

<b>PART I</b> (To be completed by Federal Agency)		Date Of Land Evaluation Request 3/31/08			
Name Of Project National Bio and Agro Defense Facility		Federal Agency Involved Department of Homeland Security			
Proposed Land Use Research Facility		County And State Clarke County, Georgia			
<b>PART II</b> (To be completed by NRCS)		Date Request Received By NRCS			
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply – do not complete additional parts of this form).		Yes <input type="checkbox"/>	No <input type="checkbox"/>	Acres Irrigated 0	Average Farm Size 0
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %	Amount Of Farmland As Defined in FPPA Acres: %			
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Date Land Evaluation Returned By NRCS			
<b>PART III</b> (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		21.0			
B. Total Acres To Be Converted Indirectly		46.0			
C. Total Acres In Site		67.0	0.0	0.0	0.0
<b>PART IV</b> (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide And Local Important Farmland					
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value					
<b>PART V</b> (To be completed by NRCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		0	0	0	0
<b>PART VI</b> (To be completed by Federal Agency) Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))		Maximum Points			
1. Area In Nonurban Use	15	13			
2. Perimeter In Nonurban Use	10	10			
3. Percent Of Site Being Farmed	20	0			
4. Protection Provided By State And Local Government	20	0			
5. Distance From Urban Builtup Area	15	15			
6. Distance To Urban Support Services	15	0			
7. Size Of Present Farm Unit Compared To Average	10	0			
8. Creation Of Nonfarmable Farmland	10	10			
9. Availability Of Farm Support Services	5	5			
10. On-Farm Investments	20	4			
11. Effects Of Conversion On Farm Support Services	10	0			
12. Compatibility With Existing Agricultural Use	10	10			
TOTAL SITE ASSESSMENT POINTS	160	67	0	0	0
<b>PART VII</b> (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	67	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	67	0	0	0
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Reason For Selection:					









Natural Resources Conservation Service  
355 East Hancock Avenue  
Athens, GA 30601

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October 21, 2008

Lee Swain  
Dial Cordy and Associates, Inc.  
490 Osceola Avenue  
Jacksonville Beach, Florida 32250

RE: Farmland Conversion Impact Rating – National Bio and Agro-Defense Facility – Athens,  
Georgia Alternative Site

Dear Mr. Swain:

This letter is in response to your April 22, 2008 letter requesting completion of an AD-1006 form (Farmland Conversion Impact Rating) for the above stated project.

Acquisition or use of farmland by a Federal agency for national defense purposes is exempted by section 1547(b) of the Farmland Policy Protection Act, 7 U.S.C. 4208(b). Therefore, the Farmland Policy Protection Act does not apply to this project.

I apologize for our tardy reply to your request. I was on extended leave in April and May tending to an ill family member. I failed to communicate how to direct the processing of these requests in my absence and apparently your request was misplaced as a result. Again, I apologize.

Please feel free to call me with any questions at 706-546-2039.

Sincerely,

A handwritten signature in black ink that reads "Jim Lathem".

Jim Lathem  
Resource Soil Scientist  
Athens, Georgia



**DIAL CORDY**  
**AND ASSOCIATES INC**  
*Environmental Consultants*

April 22, 2008

Natural Resources Conservation Service  
Manhattan Service Center  
3705 Miller Parkway  
Manhattan, KS 66503-7604

Dear Madam/Sir:

The Department of Homeland Security (DHS) is currently preparing a Draft Environmental Impact Statement (DEIS) that will assess the environmental consequences resulting from the site selection, construction, and operation of the proposed National Bio and Agro-Defense Facility (NBAF). The NBAF would be used to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases. Project alternatives include six locations in Athens, Georgia; Butner, North Carolina; Flora, Mississippi; Manhattan, Kansas; Plum Island, New York; and San Antonio, Texas. DHS has completed form AD-1006, Farmland Conversion Impact Rating for each site and is requesting review and determination of compliance with the FPPA with the NRCS Manhattan Service Center regarding the Manhattan Campus Site in Manhattan, KS.

A copy of the forthcoming DEIS will be provided to the Manhattan Service Center for additional project review and comment. The attachments to this letter include a soils map and copy of form AD-1006 for the Manhattan Campus Site. DHS appreciates your assistance with this project.

Sincerely,

DIAL CORDY AND ASSOCIATES INC.

Lee Swain  
Vice President

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April 22, 2008



# FARMLAND CONVERSION IMPACT RATING

<b>PART I</b> (To be completed by Federal Agency)		Date Of Land Evaluation Request 3/31/08			
Name Of Project National Bio and Agro Defense Facility		Federal Agency Involved Department of Homeland Security			
Proposed Land Use Research Facility		County And State Riley County, Kansas			
<b>PART II</b> (To be completed by NRCS)		Date Request Received By NRCS			
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input type="checkbox"/>	No <input type="checkbox"/>	Acres Irrigated 0	Average Farm Size 0
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %	Amount Of Farmland As Defined in FPPA Acres: %			
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Date Land Evaluation Returned By NRCS			
<b>PART III</b> (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		20.0			
B. Total Acres To Be Converted Indirectly		25.0			
C. Total Acres In Site		45.0	0.0	0.0	0.0
<b>PART IV</b> (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide And Local Important Farmland					
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value					
<b>PART V</b> (To be completed by NRCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		0	0	0	0
<b>PART VI</b> (To be completed by Federal Agency) Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))		Maximum Points			
1. Area In Nonurban Use	15	11			
2. Perimeter In Nonurban Use	10	8			
3. Percent Of Site Being Farmed	20	0			
4. Protection Provided By State And Local Government	20	0			
5. Distance From Urban Builtup Area	15	0			
6. Distance To Urban Support Services	15	0			
7. Size Of Present Farm Unit Compared To Average	10	0			
8. Creation Of Nonfarmable Farmland	10	10			
9. Availability Of Farm Support Services	5	5			
10. On-Farm Investments	20	0			
11. Effects Of Conversion On Farm Support Services	10	0			
12. Compatibility With Existing Agricultural Use	10	10			
TOTAL SITE ASSESSMENT POINTS	160	44	0	0	0
<b>PART VII</b> (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	44	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	44	0	0	0
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Reason For Selection:					







Natural Resources Conservation Service  
3705 Miller Parkway, Suite B  
Manhattan, Kansas 66503-7604

Phone: 785-776-5182  
FAX: 785-539-7983  
[www.ks.nrcs.usda.gov](http://www.ks.nrcs.usda.gov)

May 9, 2008

Dial Cordy & Associates, Inc.  
490 Osceola Avenue  
Jacksonville Beach, Florida 32250

Re: Agro-Defense Facility (NBAF) – Manhattan, Kansas Site.

The Farmland Protection Policy Act (FPPA) applies to projects where federal technical or financial assistance is being requested. FPPA provides a process for determining an impact rating when important farmlands are being considered for conversion to non-agricultural uses.

Enclosed is Form AD-1006, Farmland Conversion Impact Rating, or Form NRCS-CPA-106 form corridor projects with the Natural Resources Conservation Service's (NRCS) parts completed.

If I can be of any further assistance, please let me know.

Sincerely,

ALAN R. BOERGER  
Resource Conservationist

RECEIVED

MAY 16 2008

DIAL CORDY AND ASSOCIATES INC

Cc: Lynn Thurlow, Soil Conservationist, NRCS, Salina, Kansas  
Kevin Religa, District Conservationist, NRCS, Manhattan, Kansas  
Ed Erickson, District Conservationist, NRCS, Westmoreland, Kansas  
Bill Gilliam, ASTC(FO), NRCS, Emporia, Kansas

# FARMLAND CONVERSION IMPACT RATING

<b>PART I (To be completed by Federal Agency)</b>		Date Of Land Evaluation Request <u>3/31/08</u>			
Name Of Project <u>National Bio and Agro Defense Facility</u>		Federal Agency Involved <u>Department of Homeland Security</u>			
Proposed Land Use <u>Research Facility</u>		County And State <u>Riley County, Kansas</u>			
<b>PART II (To be completed by NRCS)</b>		Date Request Received By NRCS <u>4/28/2008</u>			
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Acres Irrigated <u>0</u>	Average Farm Size <u>473 Ac</u>
Major Crop(s) <u>Corn/Soybean</u>	Farmable Land In Govt. Jurisdiction Acres: <u>96,900</u> % <u>24.3</u>	Amount Of Farmland As Defined in FPPA Acres: <u>87,100</u> % <u>21.9</u>			
Name Of Land Evaluation System Used	Name Of Local Site Assessment System <u>—</u>	Date Land Evaluation Returned By NRCS <u>5/9/2008</u>			
<b>PART III (To be completed by Federal Agency)</b>		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		20.0			
B. Total Acres To Be Converted Indirectly		25.0			
C. Total Acres In Site		45.0	0.0	0.0	0.0
<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>					
A. Total Acres Prime And Unique Farmland		<u>10.2</u>			
B. Total Acres Statewide And Local Important Farmland		<u>34.8</u>			
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted		<u>&lt; 1%</u>			
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value		<u>43</u>			
<b>PART V (To be completed by NRCS) Land Evaluation Criterion</b> Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		<u>41</u>	0	0	0
<b>PART VI (To be completed by Federal Agency)</b> Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))		Maximum Points			
1. Area In Nonurban Use	15	11			
2. Perimeter In Nonurban Use	10	8			
3. Percent Of Site Being Farmed	20	0			
4. Protection Provided By State And Local Government	20	0			
5. Distance From Urban Builtup Area	15	0			
6. Distance To Urban Support Services	15	0			
7. Size Of Present Farm Unit Compared To Average	10	0			
8. Creation Of Nonfarmable Farmland	10	10			
9. Availability Of Farm Support Services	5	5			
10. On-Farm Investments	20	0			
11. Effects Of Conversion On Farm Support Services	10	0			
12. Compatibility With Existing Agricultural Use	10	10			
TOTAL SITE ASSESSMENT POINTS		160	44	0	0
<b>PART VII (To be completed by Federal Agency)</b>					
Relative Value Of Farmland (From Part V)		100	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)		160	44	0	0
TOTAL POINTS (Total of above 2 lines)		260	44	0	0
Site Selected:		Date Of Selection		Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Reason For Selection:					



**DIAL CORDY**  
**AND ASSOCIATES INC.**  
*Environmental Consultants*

April 22, 2008

Natural Resources Conservation Service  
Canton Service Center  
175A Commercial Parkway  
Canton, MS 39046-9769

Dear Madam/Sir:

The Department of Homeland Security (DHS) is currently preparing a Draft Environmental Impact Statement (DEIS) that will assess the environmental consequences resulting from the site selection, construction, and operation of the proposed National Bio and Agro-Defense Facility (NBAF). The NBAF would be used to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases. Project alternatives include six locations in Athens, Georgia; Butner, North Carolina; Flora, Mississippi; Manhattan, Kansas; Plum Island, New York; and San Antonio, Texas. DHS has completed form AD-1006, Farmland Conversion Impact Rating for each site and is requesting review and determination of compliance with the FPPA with the NRCS Canton Service Center regarding the Flora Industrial Park Site in Flora, MS.

A copy of the forthcoming DEIS will be provided to the Canton Service Center for additional project review and comment. The attachments to this letter include a soils map and copy of form AD-1006 for the Flora Industrial Park Site. DHS appreciates your assistance with this project.

Sincerely,

DIAL CORDY AND ASSOCIATES INC.

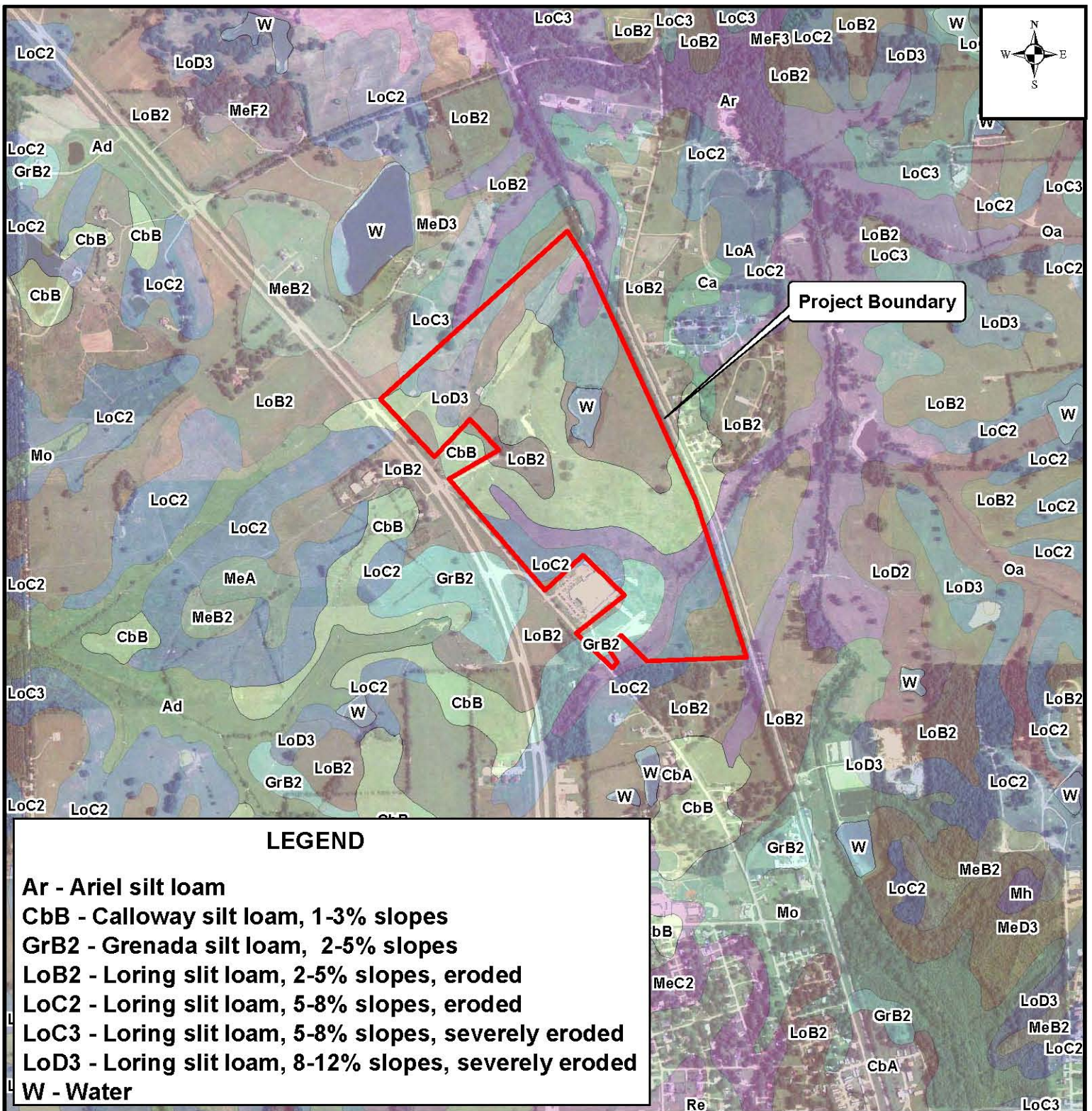
Lee Swain  
Vice President

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April 22, 2008



# FARMLAND CONVERSION IMPACT RATING

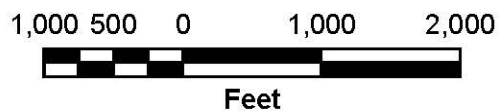
<b>PART I</b> (To be completed by Federal Agency)		Date Of Land Evaluation Request 3/31/08			
Name Of Project National Bio and Agro Defense Facility		Federal Agency Involved Department of Homeland Security			
Proposed Land Use Research Facility		County And State Madison County, Mississippi			
<b>PART II</b> (To be completed by NRCS)		Date Request Received By NRCS			
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input type="checkbox"/>	No <input type="checkbox"/>	Acres Irrigated 0	Average Farm Size 0
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %	Amount Of Farmland As Defined in FPPA Acres: %			
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Date Land Evaluation Returned By NRCS			
<b>PART III</b> (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		20.0			
B. Total Acres To Be Converted Indirectly		130.0			
C. Total Acres In Site		150.0	0.0	0.0	0.0
<b>PART IV</b> (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide And Local Important Farmland					
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value					
<b>PART V</b> (To be completed by NRCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		0	0	0	0
<b>PART VI</b> (To be completed by Federal Agency) Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))		Maximum Points			
1. Area In Nonurban Use	15	7			
2. Perimeter In Nonurban Use	10	5			
3. Percent Of Site Being Farmed	20	0			
4. Protection Provided By State And Local Government	20	0			
5. Distance From Urban Builtup Area	15	10			
6. Distance To Urban Support Services	15	0			
7. Size Of Present Farm Unit Compared To Average	10	1			
8. Creation Of Nonfarmable Farmland	10	10			
9. Availability Of Farm Support Services	5	5			
10. On-Farm Investments	20	6			
11. Effects Of Conversion On Farm Support Services	10	0			
12. Compatibility With Existing Agricultural Use	10	10			
TOTAL SITE ASSESSMENT POINTS	160	54	0	0	0
<b>PART VII</b> (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	54	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	54	0	0	0
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Reason For Selection:					



#### Project Location



National Bio and Agro-Defense  
Facility Environmental Impact  
Statement (NBAF EIS)



**Figure 3.6.5.1-2  
Flora Industrial Park  
Soils Map**

Source: NAIP 2005, USDA Natural Resources  
Conservation Service Soil Survey Geographic  
(SSURGO) database for Madison and  
Hinds County Mississippi 2006.



**Homeland  
Security**

Date:  
03/08

**United States Department of Agriculture**

Natural Resources Conservation Service  
175-A Commercial Parkway  
Canton, MS 39046-4729  
601-859-4272 ext. 3

---

May 27, 2008

Subject: AD-1006 National Bio and Agro Defense Facility

To: Lee Swain

As requested is enclosed a completed AD-1006. If you need any additional assistance please contact me at 601-859-4272 ext. 3.

Thank you,

A handwritten signature in black ink, appearing to read "R. Thompson", is written over a circular stamp or mark.

Rogerick Thompson  
District Conservationist



## U.S. Department of Agriculture

## FARMLAND CONVERSION IMPACT RATING

<b>PART I (To be completed by Federal Agency)</b>		Date Of Land Evaluation Request 3/31/08			
Name Of Project National Bio and Agro Defense Facility		Federal Agency Involved Department of Homeland Security			
Proposed Land Use Research Facility		County And State Madison County, Mississippi			
<b>PART II (To be completed by NRCS)</b>		Date Request Received By NRCS			
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply - do not complete additional parts of this form).		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Acres Impaired 0	Average Farm Size 0
Major Crop(s) CORN & SOYBEANS	Farmable Land In Govt. Jurisdiction Acres: 343,270	% 71	Amount Of Farmland As Defined In FPPA Acres 343,270 % 71		
Name Of Land Evaluation System Used LESA	Name Of Local Site Assessment System		Date Land Evaluation Returned By NRCS		
<b>PART III (To be completed by Federal Agency)</b>		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		20.0			
B. Total Acres To Be Converted Indirectly		130.0			
C. Total Acres In Site		150.0	0.0	0.0	0.0
<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>					
A. Total Acres Prime And Unique Farmland		14.9			
B. Total Acres Statewide And Local Important Farmland		362			
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted		.0004			
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value					
<b>PART V (To be completed by NRCS) Land Evaluation Criterion</b>					
Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		0 81.5	0	0	0
<b>PART VI (To be completed by Federal Agency)</b>					
Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))		Maximum Points			
1. Area In Nonurban Use		15	7		
2. Perimeter In Nonurban Use		10	5		
3. Percent Of Site Being Farmed		20	0		
4. Protection Provided By State And Local Government		20	0		
5. Distance From Urban Builtup Area		15	10		
6. Distance To Urban Support Services		15	0		
7. Size Of Present Farm Unit Compared To Average		10	1		
8. Creation Of Nonfarmable Farmland		10	10		
9. Availability Of Farm Support Services		5	5		
10. On-Farm Investments		20	6		
11. Effects Of Conversion On Farm Support Services		10	0		
12. Compatibility With Existing Agricultural Use		10	10		
TOTAL SITE ASSESSMENT POINTS		160	54	0	0
<b>PART VII (To be completed by Federal Agency)</b>					
Relative Value Of Farmland (From Part V)		100	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)		160	54	0	0
TOTAL POINTS (Total of above 2 lines)		260	54	0	0
Site Selected:		Date Of Selection		Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Reason For Selection:					



**DIAL CORDY**  
**AND ASSOCIATES INC**  
*Environmental Consultants*

April 22, 2008

Natural Resources Conservation Service  
Riverhead Service Center  
423 Griffing Avenue  
Riverhead, NY 11901-3011

Dear Madam/Sir:

The Department of Homeland Security (DHS) is currently preparing a Draft Environmental Impact Statement (DEIS) that will assess the environmental consequences resulting from the site selection, construction, and operation of the proposed National Bio and Agro-Defense Facility (NBAF). The NBAF would be used to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases. Project alternatives include six locations in Athens, Georgia; Butner, North Carolina; Flora, Mississippi; Manhattan, Kansas; Plum Island, New York; and San Antonio, Texas. DHS has completed form AD-1006, Farmland Conversion Impact Rating for each site and is requesting review and determination of compliance with the FPPA with the NRCS Riverhead Service Center regarding the Plum Island Site in Suffolk County, NY.

A copy of the forthcoming DEIS will be provided to the Riverhead Service Center for additional project review and comment. The attachments to this letter include a soils map and copy of form AD-1006 for the Plum Island Site. DHS appreciates your assistance with this project.

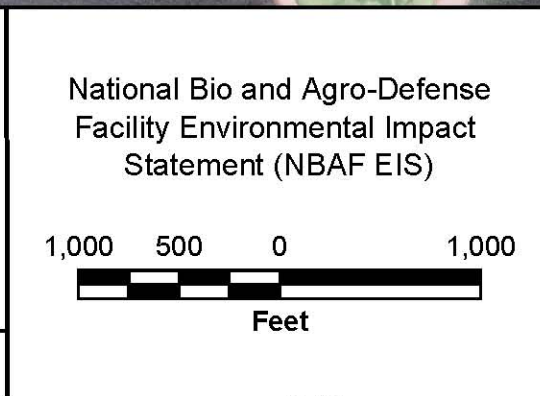
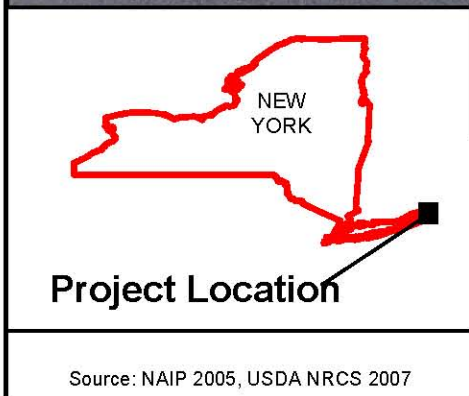
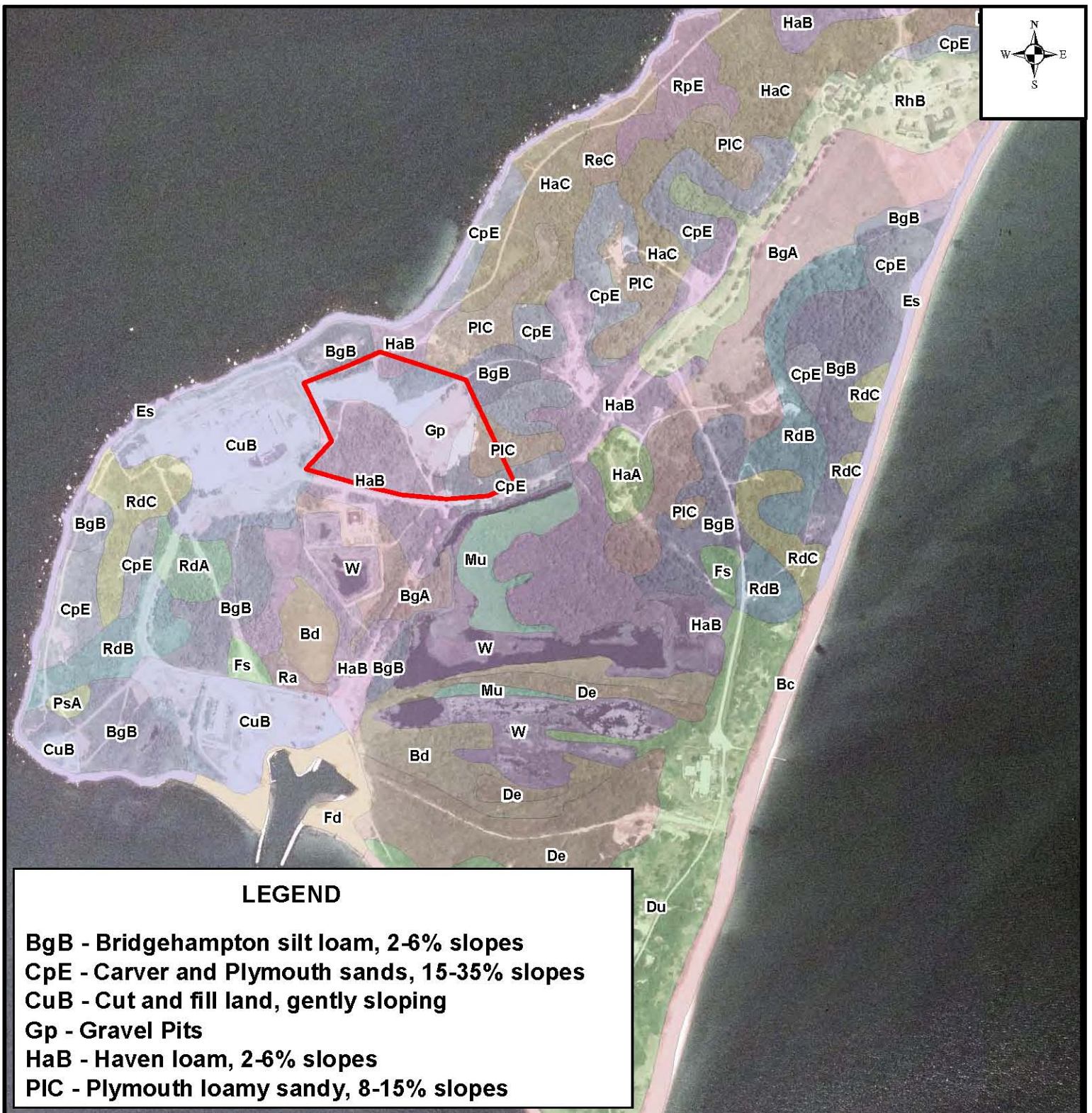
Sincerely,

DIAL CORDY AND ASSOCIATES INC.

Lee Swain  
Vice President

# FARMLAND CONVERSION IMPACT RATING

<b>PART I</b> (To be completed by Federal Agency)		Date Of Land Evaluation Request 3/31/08			
Name Of Project National Bio and Agro Defense Facility		Federal Agency Involved Department of Homeland Security			
Proposed Land Use Research Facility		County And State Suffolk County, New York			
<b>PART II</b> (To be completed by NRCS)		Date Request Received By NRCS			
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input type="checkbox"/>	No <input type="checkbox"/>	Acres Irrigated 0	Average Farm Size 0
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %	Amount Of Farmland As Defined in FPPA Acres: %			
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Date Land Evaluation Returned By NRCS			
<b>PART III</b> (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		20.0			
B. Total Acres To Be Converted Indirectly		4.0			
C. Total Acres In Site		24.0	0.0	0.0	0.0
<b>PART IV</b> (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide And Local Important Farmland					
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value					
<b>PART V</b> (To be completed by NRCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		0	0	0	0
<b>PART VI</b> (To be completed by Federal Agency) Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))		Maximum Points			
1. Area In Nonurban Use	15	7			
2. Perimeter In Nonurban Use	10	5			
3. Percent Of Site Being Farmed	20	0			
4. Protection Provided By State And Local Government	20	0			
5. Distance From Urban Builtup Area	15	15			
6. Distance To Urban Support Services	15	0			
7. Size Of Present Farm Unit Compared To Average	10	0			
8. Creation Of Nonfarmable Farmland	10	10			
9. Availability Of Farm Support Services	5	0			
10. On-Farm Investments	20	0			
11. Effects Of Conversion On Farm Support Services	10	0			
12. Compatibility With Existing Agricultural Use	10	10			
TOTAL SITE ASSESSMENT POINTS	160	47	0	0	0
<b>PART VII</b> (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	47	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	47	0	0	0
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Reason For Selection:					



**Figure 3.6.6.1-2  
Plum Island Site  
Soils Map**

**Homeland Security**

Date: 03/08

z:/projects/ft-2200/maps/allgraphics/figX.mxd



United States Department of Agriculture



Natural Resources Conservation Service  
The Galleries of Syracuse  
441 S. Salina Street, Suite 354  
Syracuse, New York 13202-2450

Telephone: (315) 477-6505  
FAX: (315) 477-6550  
email: beth.polge@ny.usda.gov

May 1, 2008

Dial Cordy & Associates Inc.  
Lee Swain  
490 Osceola Avenue  
Jacksonville Beach, FL 32250

Re: National Bio and Agro Defense Facility  
NRCS FPPA review

The Farmland Conversion Impact Rating Form (NRCS-AD-1006) for the project cited above is attached for your use with sections II and IV filled out. Thanks for completing section I & III.

Also enclosed is an Excel spreadsheet that shows the values for each of the soils and the final result (weighted average) that was entered on the AD-1006. I hope you find everything in order.

If you have any question, please do not hesitate to call.

A handwritten signature in cursive script that reads "Beth Polge".

Beth Polge  
FPPA Project Specialist

Cc: Allan Connell, District Conservationist, NRCS, Riverhead, NY

FILED

MAY - 5 2008

*Helping People Help the Land*

An Equal Opportunity Provider and Employer

# FARMLAND CONVERSION IMPACT RATING

**PART I (To be completed by Federal Agency)**

Date Of Land Evaluation Request 3/31/08

Name Of Project National Bio and Agro Defense Facility

Federal Agency Involved Department of Homeland Security

Proposed Land Use Research Facility

County And State Suffolk County, New York

**PART II (To be completed by NRCS)**

Date Request Received By NRCS

Does the site contain prime, unique, statewide or local important farmland?  
(If no, the FPPA does not apply -- do not complete additional parts of this form).

Yes

No

Acres Irrigated

Average Farm Size

☒☐

15,453

52

Major Crop(s)

corn

Farmable Land In Govt. Jurisdiction

Acres: 34127

% 5.85

Amount Of Farmland As Defined in FPPA

Acres: 301685

% 52

Name Of Land Evaluation System Used

Suffolk

Name Of Local Site Assessment System

None

Date Land Evaluation Returned By NRCS

5-1-08

**PART III (To be completed by Federal Agency)**

A. Total Acres To Be Converted Directly

Site A  
20.0

B. Total Acres To Be Converted Indirectly

4.0

C. Total Acres In Site

24.0

0.0

0.0

0.0

**PART IV (To be completed by NRCS) Land Evaluation Information**

A. Total Acres Prime And Unique Farmland

10.4

B. Total Acres Statewide And Local Important Farmland

-

C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted

-

D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value

65

**PART V (To be completed by NRCS) Land Evaluation Criterion**

Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)

40

0

0

0

**PART VI (To be completed by Federal Agency)**

Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))

Maximum  
Points

1. Area In Nonurban Use

15 7

2. Perimeter In Nonurban Use

10 5

3. Percent Of Site Being Farmed

20 0

4. Protection Provided By State And Local Government

20 0

5. Distance From Urban Builtup Area

15 15

6. Distance To Urban Support Services

15 0

7. Size Of Present Farm Unit Compared To Average

10 0

8. Creation Of Nonfarmable Farmland

10 10

9. Availability Of Farm Support Services

5 0

10. On-Farm Investments

20 0

11. Effects Of Conversion On Farm Support Services

10 0

12. Compatibility With Existing Agricultural Use

10 10

TOTAL SITE ASSESSMENT POINTS

160 47 0 0 0

**PART VII (To be completed by Federal Agency)**

Relative Value Of Farmland (From Part V)

100 0 0 0 0

Total Site Assessment (From Part VI above or a local  
site assessment)

160 47 0 0 0

TOTAL POINTS (Total of above 2 lines)

260 47 0 0 0

Site Selected:

Date Of Selection

Was A Local Site Assessment Used?

Yes ☐No ☒

Reason For Selection:

[illegible]



**DIAL CORDY**  
**AND ASSOCIATES INC**  
*Environmental Consultants*

April 22, 2008

Natural Resources Conservation Service  
Oxford Service Center  
146 Main Street  
Oxford, NC 27565-3353

Dear Madam/Sir:

The Department of Homeland Security (DHS) is currently preparing a Draft Environmental Impact Statement (DEIS) that will assess the environmental consequences resulting from the site selection, construction, and operation of the proposed National Bio and Agro-Defense Facility (NBAF). The NBAF would be used to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases. Project alternatives include six locations in Athens, Georgia; Butner, North Carolina; Flora, Mississippi; Manhattan, Kansas; Plum Island, New York; and San Antonio, Texas. DHS has completed form AD-1006, Farmland Conversion Impact Rating for each site and is requesting review and determination of compliance with the FPPA with the NRCS Oxford Service Center regarding the Umstead Research Farm Site in Butner, NC.

A copy of the forthcoming DEIS will be provided to the Oxford Service Center for additional project review and comment. The attachments to this letter include a soils map and copy of form AD-1006 for the Umstead Research Farm Site. DHS appreciates your assistance with this project.

Sincerely,

DIAL CORDY AND ASSOCIATES INC.

Lee Swain  
Vice President

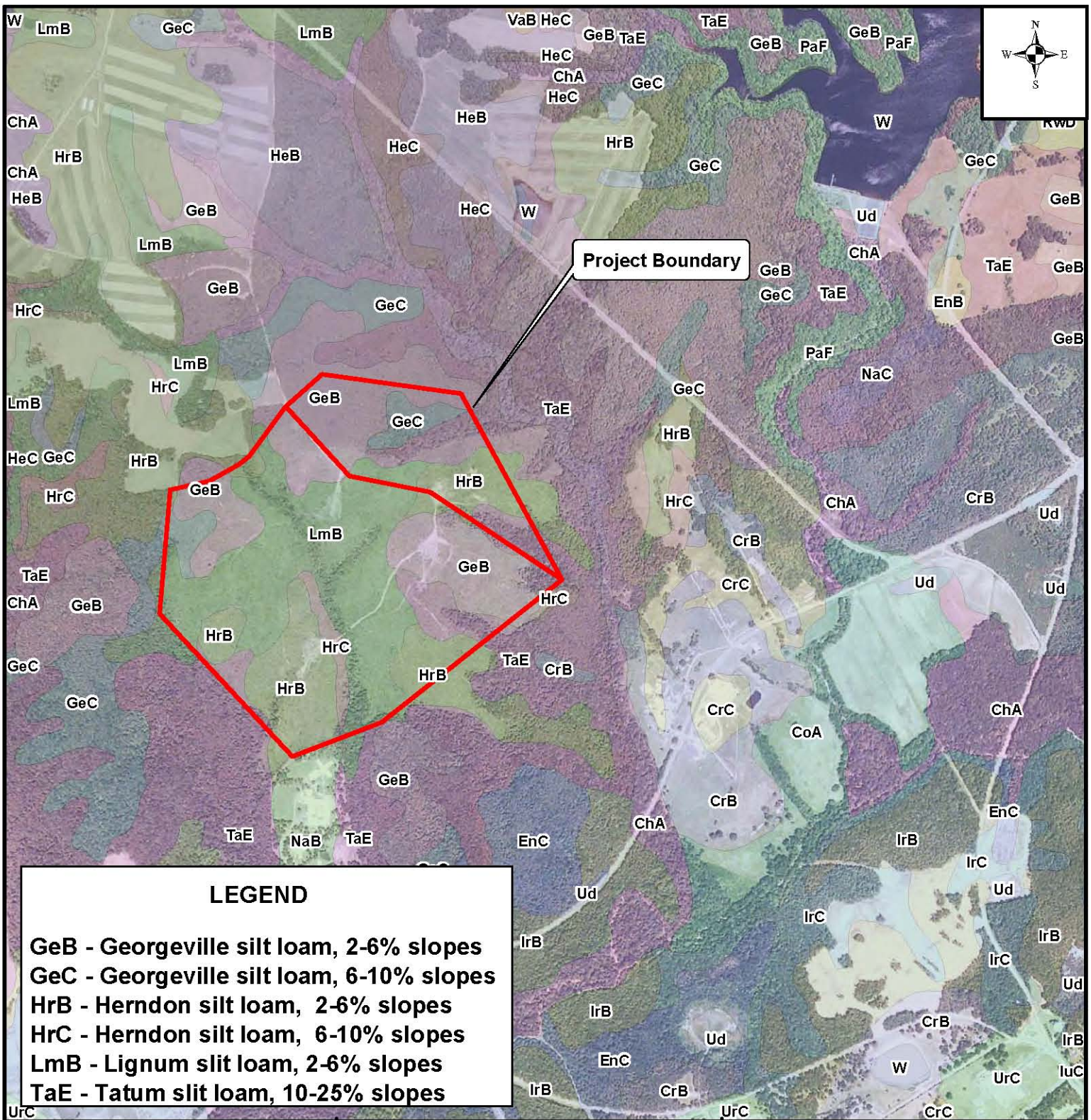
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April 22, 2008



# FARMLAND CONVERSION IMPACT RATING

<b>PART I</b> (To be completed by Federal Agency)		Date Of Land Evaluation Request 3/31/08			
Name Of Project National Bio and Agro Defense Facility		Federal Agency Involved Department of Homeland Security			
Proposed Land Use Research Facility		County And State Granville County, North Carolina			
<b>PART II</b> (To be completed by NRCS)		Date Request Received By NRCS			
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input type="checkbox"/>	No <input type="checkbox"/>	Acres Irrigated 0	Average Farm Size 0
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %	Amount Of Farmland As Defined in FPPA Acres: %			
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Date Land Evaluation Returned By NRCS			
<b>PART III</b> (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		20.0			
B. Total Acres To Be Converted Indirectly		229.0			
C. Total Acres In Site		249.0	0.0	0.0	0.0
<b>PART IV</b> (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide And Local Important Farmland					
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value					
<b>PART V</b> (To be completed by NRCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		0	0	0	0
<b>PART VI</b> (To be completed by Federal Agency) Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))		Maximum Points			
1. Area In Nonurban Use	15	11			
2. Perimeter In Nonurban Use	10	10			
3. Percent Of Site Being Farmed	20	6			
4. Protection Provided By State And Local Government	20	0			
5. Distance From Urban Builtup Area	15	15			
6. Distance To Urban Support Services	15	10			
7. Size Of Present Farm Unit Compared To Average	10	10			
8. Creation Of Nonfarmable Farmland	10	10			
9. Availability Of Farm Support Services	5	5			
10. On-Farm Investments	20	4			
11. Effects Of Conversion On Farm Support Services	10	0			
12. Compatibility With Existing Agricultural Use	10	10			
TOTAL SITE ASSESSMENT POINTS	160	91	0	0	0
<b>PART VII</b> (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	91	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	91	0	0	0
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Reason For Selection:					



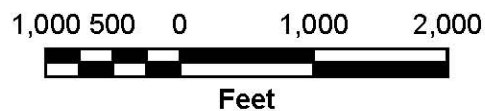


### Project Location



Source: NAIP 2005; USDA Natural Resources Conservation Service Soil Survey Geographic (SSURGO) database for Granville Co., North Carolina 2006.

National Bio and Agro-Defense Facility Environmental Impact Statement (NBAF EIS)



**Figure 3.6.7.1-2**  
**Umstead Research Farm Site**  
**Soils Map**



**Homeland Security**

Date:  
03/08



# FARMLAND CONVERSION IMPACT RATING

<b>PART I</b> (To be completed by Federal Agency)		Date Of Land Evaluation Request 3/31/08	
Name Of Project National Bio and Agro Defense Facility		Federal Agency Involved Department of Homeland Security	
Proposed Land Use Research Facility		County And State Granville County, North Carolina	
<b>PART II</b> (To be completed by NRCS)		Date Request Received By NRCS	
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
		Acres Irrigated 0	Average Farm Size 0
Major Crop(s) N/A wooded - cutover	Farmable Land In Govt. Jurisdiction Acres: N/A %	Amount Of Farmland As Defined in FPPA Acres: %	
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Date Land Evaluation Returned By NRCS	

<b>PART III</b> (To be completed by Federal Agency)	Alternative Site Rating			
	Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly	20.0			
B. Total Acres To Be Converted Indirectly	229.0			
C. Total Acres In Site	249.0	0.0	0.0	0.0

<b>PART IV</b> (To be completed by NRCS) Land Evaluation Information				
A. Total Acres Prime And Unique Farmland	113.7			
B. Total Acres Statewide And Local Important Farmland	104.4			
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted				
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value				

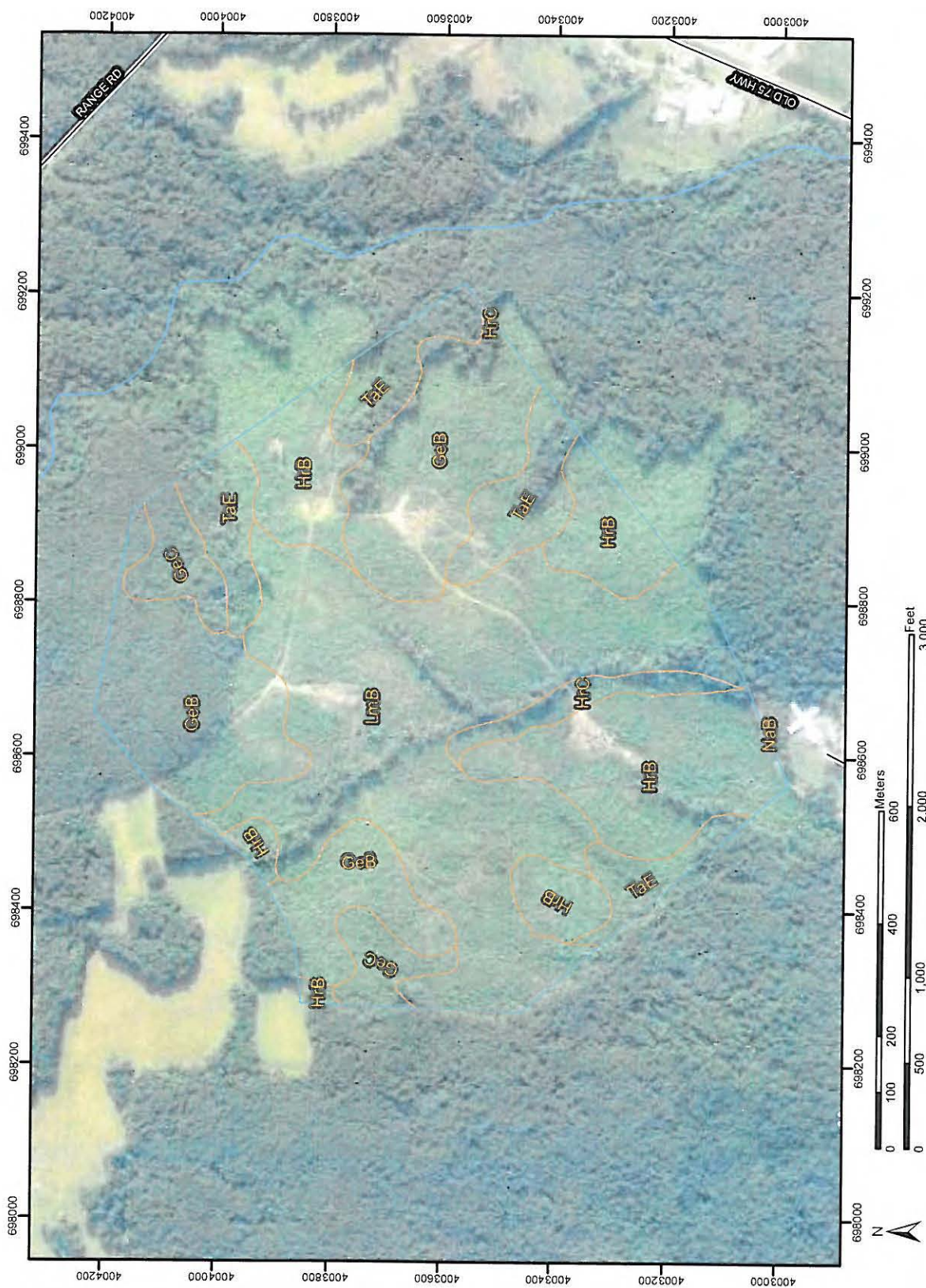
<b>PART V</b> (To be completed by NRCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)	0	0	0	0
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<b>PART VI</b> (To be completed by Federal Agency)	Maximum Points				
Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))					
1. Area In Nonurban Use	15	11			
2. Perimeter In Nonurban Use	10	10			
3. Percent Of Site Being Farmed	20	6			
4. Protection Provided By State And Local Government	20	0			
5. Distance From Urban Builtup Area	15	15			
6. Distance To Urban Support Services	15	10			
7. Size Of Present Farm Unit Compared To Average	10	10			
8. Creation Of Nonfarmable Farmland	10	10			
9. Availability Of Farm Support Services	5	5			
10. On-Farm Investments	20	4			
11. Effects Of Conversion On Farm Support Services	10	0			
12. Compatibility With Existing Agricultural Use	10	10			
<b>TOTAL SITE ASSESSMENT POINTS</b>	160	91	0	0	0

<b>PART VII</b> (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	91	0	0	0
<b>TOTAL POINTS (Total of above 2 lines)</b>	260	91	0	0	0



































Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Reason For Selection:		

Soil Map—Granville County, North Carolina  
(National Bio and Agro-Defense Facility EIS)





## MAP LEGEND

	Area of Interest (AOI)		Very Stony Spot
	Area of Interest (AOI)		Wet Spot
	Soils		Other
	Soil Map Units		Special Line Features
	Special Point Features		Gully
	Blowout		Short Steep Slope
	Borrow Pit		Other
	Clay Spot		Political Features
	Closed Depression		Municipalities
	Gravel Pit		Cities
	Gravelly Spot		Urban Areas
	Landfill		Water Features
	Lava Flow		Oceans
	Marsh		Streams and Canals
	Mine or Quarry		Transportation
	Miscellaneous Water		Rails
	Perennial Water		Roads
	Rock Outcrop		Interstate Highways
	Saline Spot		US Routes
	Sandy Spot		State Highways
	Severely Eroded Spot		Local Roads
	Sinkhole		Other Roads
	Slide or Slip		
	Sodic Spot		
	Spot Area		
	Stony Spot		

## MAP INFORMATION

Original soil survey map sheets were prepared at publication scale. Viewing scale and printing scale, however, may vary from the original. Please rely on the bar scale on each map sheet for proper map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
Coordinate System: UTM Zone 17N

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Granville County, North Carolina  
Survey Area Data: Version 8, Mar 20, 2007

Date(s) aerial images were photographed: 3/15/1993

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Granville County, North Carolina (NC077)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GeB	Georgeville silt loam, 2 to 6 percent slopes	61.7	25.1%
GeC	Georgeville silt loam, 6 to 10 percent slopes	11.1	4.5%
HrB	Herndon silt loam, 2 to 6 percent slopes	52.0	21.2%
HrC	Herndon silt loam, 6 to 10 percent slopes	5.4	2.2%
LmB	Lignum silt loam, 2 to 6 percent slopes	86.7	35.3%
NaB	Nason gravelly loam, 2 to 6 percent slopes	0.0	0.0%
TaE	Tatum loam, 10 to 25 percent slopes	28.7	11.7%
Totals for Area of Interest (AOI)		245.7	100.0%



**DIAL CORDY**  
**AND ASSOCIATES INC**  
*Environmental Consultants*

April 22, 2008

Natural Resources Conservation Service  
San Antonio Service Center  
727 E. Durango Suite A-507  
San Antonio, TX 78206-1203

Dear Madam/Sir:

The Department of Homeland Security (DHS) is currently preparing a Draft Environmental Impact Statement (DEIS) that will assess the environmental consequences resulting from the site selection, construction, and operation of the proposed National Bio and Agro-Defense Facility (NBAF). The NBAF would be used to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases. Project alternatives include six locations in Athens, Georgia; Butner, North Carolina; Flora, Mississippi; Manhattan, Kansas; Plum Island, New York; and San Antonio, Texas. DHS has completed form AD-1006, Farmland Conversion Impact Rating for each site and is requesting review and determination of compliance with the FPPA with the NRCS San Antonio Service Center regarding the Texas Research Park Site in San Antonio, TX.

A copy of the forthcoming DEIS will be provided to the San Antonio Service Center for additional project review and comment. The attachments to this letter include a soils map and copy of form AD-1006 for the Texas Research Park Site. DHS appreciates your assistance with this project.

Sincerely,

DIAL CORDY AND ASSOCIATES INC.

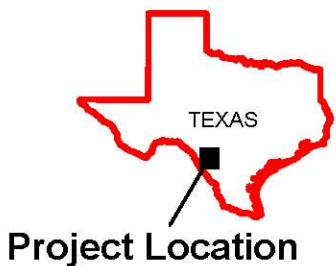
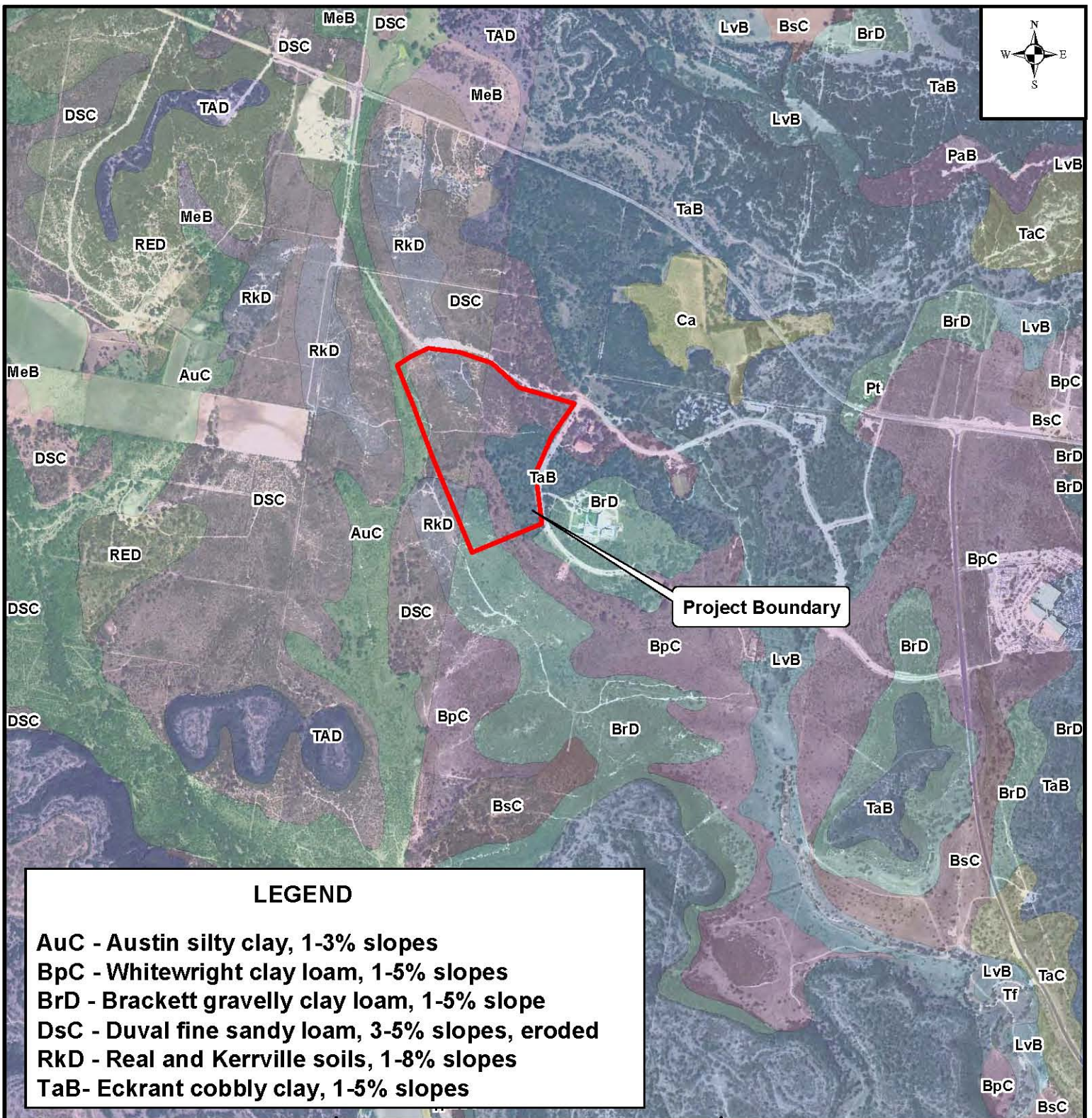
Lee Swain  
Vice President

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April 22, 2008

**FARMLAND CONVERSION IMPACT RATING**

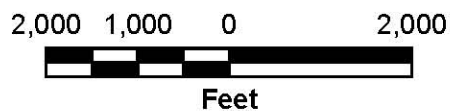
<b>PART I</b> (To be completed by Federal Agency)		Date Of Land Evaluation Request 3/31/08			
Name Of Project National Bio and Agro Defense Facility		Federal Agency Involved Department of Homeland Security			
Proposed Land Use Research Facility		County And State Bexar County, Texas			
<b>PART II</b> (To be completed by NRCS)		Date Request Received By NRCS			
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input type="checkbox"/>	No <input type="checkbox"/>	Acres Irrigated 0	Average Farm Size 0
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %			Amount Of Farmland As Defined in FPPA Acres: %	
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Date Land Evaluation Returned By NRCS			
<b>PART III</b> (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		20.0			
B. Total Acres To Be Converted Indirectly		80.0			
C. Total Acres In Site		100.0	0.0	0.0	0.0
<b>PART IV</b> (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide And Local Important Farmland					
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value					
<b>PART V</b> (To be completed by NRCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		0	0	0	0
<b>PART VI</b> (To be completed by Federal Agency) Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))		Maximum Points			
1. Area In Nonurban Use	15	11			
2. Perimeter In Nonurban Use	10	8			
3. Percent Of Site Being Farmed	20	0			
4. Protection Provided By State And Local Government	20	0			
5. Distance From Urban Builtup Area	15	15			
6. Distance To Urban Support Services	15	0			
7. Size Of Present Farm Unit Compared To Average	10	0			
8. Creation Of Nonfarmable Farmland	10	10			
9. Availability Of Farm Support Services	5	5			
10. On-Farm Investments	20	0			
11. Effects Of Conversion On Farm Support Services	10	0			
12. Compatibility With Existing Agricultural Use	10	10			
TOTAL SITE ASSESSMENT POINTS	160	59	0	0	0
<b>PART VII</b> (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	59	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	59	0	0	0
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Reason For Selection:					





Source: NAIP 2005, USDA NRCS  
Bexar and Medina Counties TX, 2007.

National Bio and Agro-Defense  
Facility Environmental Impact  
Statement (NBAF EIS)



**Figure 3.6.8.1-2**  
**Texas Research Park Site**  
**Soils Map**



**Homeland  
Security**

**Date:**  
**03/08**



United States Department of Agriculture



Natural Resources Conservation Service

101 S. Main Street  
Temple, TX 76501-6624  
Phone: 254-742-9861  
FAX: 254-742-9859

---

August 14, 2008

Dial Cordy and Associates, Inc.  
490 Osceola Avenue  
Jacksonville Beach, Florida 32250  
Attention: Lee Swain, Vice President

Subject: LNU--Farmland Protection  
National Bio and Agro-Defense Facility  
Bexar and Medina Counties, Texas

We have reviewed the information provided concerning the proposed National Bio and Agro-Defense Facility, Bexar and Medina Counties, Texas, as outlined in your letter dated April 22, 2008. This is part of the National Environmental Policy Act (NEPA) evaluation for the Department of Homeland Security. We have evaluated the proposed area as required by the Farmland Protection Policy Act (FPPA).

The proposed project does contain soils classified as Important Farmland, and we have completed Parts II, IV, and V of the Farmland Conversion Impact Rating form (AD-1006) that you provided to us. The combined rating of the site is 74. The FPPA law states that sites with a rating less than 160 will need no further consideration.

We have attached the completed AD-1006 form. We apologize for the delay in our response. Thank you for the resource materials you submitted to help in our evaluation. If you have any questions please call Laurie Kiniry at (254) 742-9861, Fax (254)-742-9859.

Sincerely,

Laurie N. Kiniry  
Soil Scientist

Enclosure

# FARMLAND CONVERSION IMPACT RATING

<b>PART I (To be completed by Federal Agency)</b>		Date Of Land Evaluation Request 3/31/08			
Name Of Project National Bio and Agro Defense Facility		Federal Agency Involved Department of Homeland Security			
Proposed Land Use Research Facility		County And State Bexar County, Texas			
<b>PART II (To be completed by NRCS)</b>		Date Request Received By NRCS 4/25/08			
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Acres Irrigated 819,015	Average Farm Size 185
Major Crop(s) grain sorghum	Farmable Land In Govt. Jurisdiction Acres: 560,879 % 70			Amount Of Farmland As Defined in FPPA Acres: 507,227 % 63	
Name Of Land Evaluation System Used LESA	Name Of Local Site Assessment System N/A	Date Land Evaluation Returned By NRCS 8/14/08			
<b>PART III (To be completed by Federal Agency)</b>		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		20.0			
B. Total Acres To Be Converted Indirectly		80.0			
C. Total Acres In Site		100.0	0.0	0.0	0.0
<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>					
A. Total Acres Prime And Unique Farmland		6			
B. Total Acres Statewide And Local Important Farmland		6			
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted		100.11%			
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value		0%			
<b>PART V (To be completed by NRCS) Land Evaluation Criterion</b>					
Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		15	0	0	0
<b>PART VI (To be completed by Federal Agency)</b>					
Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))		Maximum Points			
1. Area In Nonurban Use	15	11			
2. Perimeter In Nonurban Use	10	8			
3. Percent Of Site Being Farmed	20	0			
4. Protection Provided By State And Local Government	20	0			
5. Distance From Urban Builtup Area	15	15			
6. Distance To Urban Support Services	15	0			
7. Size Of Present Farm Unit Compared To Average	10	0			
8. Creation Of Nonfarmable Farmland	10	10			
9. Availability Of Farm Support Services	5	5			
10. On-Farm Investments	20	0			
11. Effects Of Conversion On Farm Support Services	10	0			
12. Compatibility With Existing Agricultural Use	10	10			
TOTAL SITE ASSESSMENT POINTS		160	59	0	0
<b>PART VII (To be completed by Federal Agency)</b>					
Relative Value Of Farmland (From Part V)		100	15	0	0
Total Site Assessment (From Part VI above or a local site assessment)		160	59	0	0
TOTAL POINTS (Total of above 2 lines)		260	74	0	0
Site Selected:		Date Of Selection		Was A Local Site Assessment Used?	
Reason For Selection:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

## **Section 404 of the Clean Water Act**

Section 404 of the Clean Water Act			
	Consultation Initiated	Supplemental Contact	Agency Response
South Milledge Avenue Site Alternative	April 23, 2008	Phone call to U.S. Army Corps of Engineers, Savannah District on October 21, 2008	pending
Manhattan Campus Site Alternative	None required	-	-
Flora Industrial Park Site Alternative	July 23, 2007	-	November 7, 2007 July 25, 2007
Plum Island Site Alternative	None required	-	-
Unstead Research Park Site Alternative	February 25, 2008	Phone call to U.S. Army Corps of Engineers, Wilmington District on October 21, 2008	pending
Texas Research Park Site Alternative	None required	-	-





Nutter & Associates, Inc.  
360 Hawthorne Lane  
Athens, GA 30606-2152  
P (706) 354-7925  
F (706) 354-7928  
www.NutterInc.com

April 23, 2008

Edward Johnson, Chief  
U.S. Army Corps of Engineers  
Attn: CESAS-RD-P (Johnson)  
1590 Adamson Parkway, Suite 200  
Morrow, Georgia 30260-1777

Subject: Request for Jurisdictional Determination, University of Georgia, Clarke County, Georgia. Project No. 07-075.

Dear Mr. Johnson:

On behalf of the University of Georgia, Nutter & Associates is submitting this letter, a Request for Jurisdictional Determination form, the attached technical memorandum, and supporting documentation to you requesting a verification of a delineation of jurisdictional wetlands and waters of the U.S. The subject site is the proposed Athens, Georgia location for the Department of Homeland Security's National Bio and Agro-Defense Facility (NBAF), located in Clarke County, Georgia.

The property investigated consists of 126 acres, of which approximately 67.4 acres are proposed for the NBAF site. The area investigated lies west of the intersection of South Milledge Avenue and Whitehall Road and northeast of the Middle Oconee River. The site investigation was conducted by Nutter & Associates on November 9 and December 13 and 14, 2007. Detailed findings are presented in the technical memorandum.

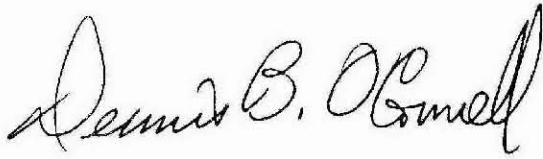
Nutter & Associates delineated 1.60 acres of wetlands comprised of 4 discrete wetland polygons on the NBAF site. Three of the wetland polygons lie along a second-order, unnamed tributary of the Middle Oconee River that flows northeast to southwest outside of the southeastern boundary of the NBAF site. The only man-made impoundment located within the area of investigation is a 1.57 acre pond located on this tributary. Three beaver dams impound water upstream from the pond. The remaining wetland lies along a first-order westward-flowing stream within the western part of the NBAF site boundary. Finally, there are approximately 5,479 linear feet of jurisdictional streams on the NBAF site, consisting of fourteen stream segments.

Edward Johnson, Chief  
U.S. Army Corps of Engineers  
April 23, 2008  
Page 2

Nutter & Associates and the University of Georgia appreciate your prompt attention this matter. If the USACE wishes to conduct an on-site inspection, we would be happy to accompany you during the inspection. If you have any questions, please contact me. Thank you for your assistance.

Sincerely,

NUTTER & ASSOCIATES

A handwritten signature in black ink, reading "Dennis B. O'Connell". The signature is fluid and cursive, with the first name "Dennis" and last name "O'Connell" clearly legible.

Dennis B. O'Connell, Ph.D., P.G.  
Professional Geologist, Principal

cc: Mr. Kevin Kirsche, University of Georgia  
Mr. Steve Dial, Dial Cordy

enc.



## DEPARTMENT OF THE ARMY

VICKSBURG DISTRICT, CORPS OF ENGINEERS  
4155 CLAY STREET  
VICKSBURG, MISSISSIPPI 39183-3435

REPLY TO  
ATTENTION OF:

November 7, 2007

Operations Division  
Regulatory

SUBJECT: Department of the Army Regulatory Requirements-  
Madison County Economic Development Authority

Mr. Walt Dinkelacker  
Wildlife Technical  
Services, Incorporated  
Post Office Box 820188  
Vicksburg, Mississippi 39182-0188

Dear Mr. Dinkelacker:

This letter is regarding your request for a determination of Department of the Army regulatory requirements for unspecified development on an approximately 155-acre tract of land located in sections 5 and 8, T8N-R1W, Madison County, Mississippi.

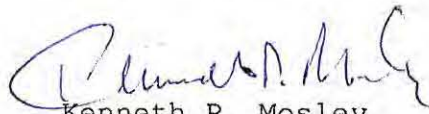
Based on the information provided, and on a site visit conducted on November 6, 2007, it appears that there are jurisdictional areas on the property subject to regulation pursuant to Section 404 of the Clean Water Act. The approximate extent of potential waters of the United States within the boundary of the property as described in your letter is depicted on the enclosed preliminary map (enclosure). Any work, involving the discharge of dredged or fill material (land clearing, filling, leveeing, etc.) within jurisdictional waters will require a Department of the Army Section 404 permit prior to beginning work. Please be advised that this is a preliminary determination for planning purposes only.

For your information, an application packet with instructions may be obtained at our official Regulatory Program webpage: <http://www.mvk.usace.army.mil/offices/od/odf/main.htm>. An application for work in waters of the United States should be submitted at least 120 days in advance of the proposed starting date. In order to expedite the evaluation process, please refer to Identification No. MVK-2007-872 when submitting the application.

-2-

If you have any questions regarding this preliminary jurisdictional determination, please contact Mr. Joshua Carpenter of this office, telephone (601) 631-7815, fax (601) 631-5459 or e-mail address: [regulatory@mvk02.usace.army.mil](mailto:regulatory@mvk02.usace.army.mil)

Sincerely,

A handwritten signature in blue ink, appearing to read "Kenneth P. Mosley", is written over the typed name.

Kenneth P. Mosley  
Chief, Enforcement Section  
Regulatory Branch

Enclosure

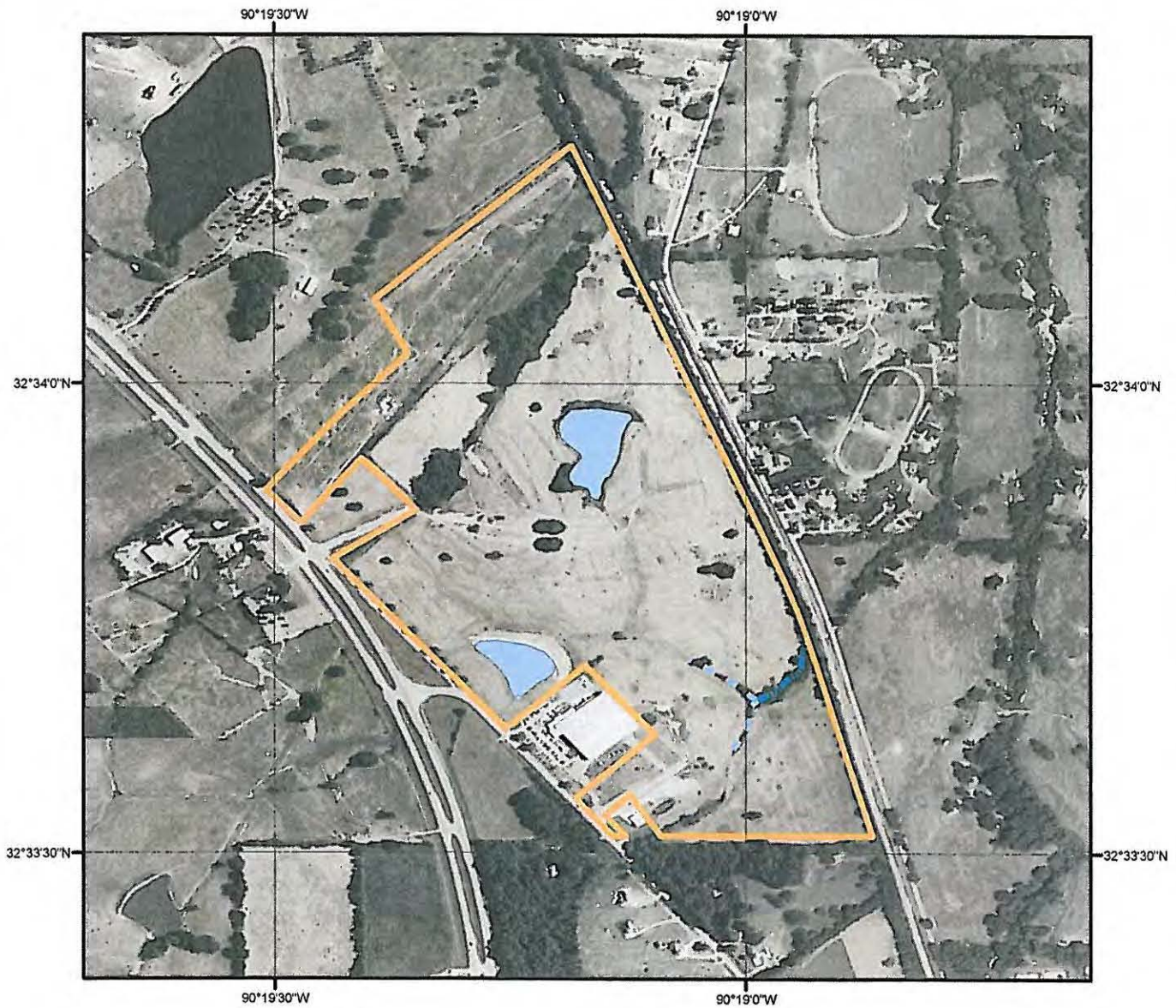




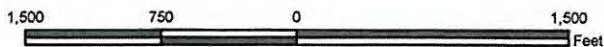
US Army Corps  
of Engineers

# Jurisdictional Determination Madison County Economic Development Authority

Sections 5 & 8, T8N-R1W, Madison County, Mississippi



1:12,000



## Legend

- Approx. Property Boundary
- Relatively Permanent Waters (~480 L.F.)
- Non-relatively Permanent Waters (~810 L.F.)
- Non-jurisdictional Impoundments

Vicksburg District, CE  
Preliminary JD

ID# MVK-2007-B72

Date 11/07/2007

Signature *[Signature]*



Map created by Carpenter on November 6, 2007.





## DEPARTMENT OF THE ARMY

VICKSBURG DISTRICT, CORPS OF ENGINEERS

4155 CLAY STREET

VICKSBURG, MISSISSIPPI 39183-3435

REPLY TO  
ATTENTION OF:

July 25, 2007

Operations Division

SUBJECT: Madison County Economic Development Authority-  
Flora Industrial Park, 155.00 acres, Sections 5 and 8, T8N-R1W,  
Madison County, Mississippi

Mr. Walt Dinkelacker  
Wildlife Technical Services, Incorporated  
Post Office Box 820188  
Vicksburg, Mississippi 39182-0188

Dear Mr. Dinkelacker:

We received your correspondence, subject as above, on July 23, 2007. While we are working diligently to reply to you in a timely manner, please be aware that this office is experiencing an unusually heavy workload at this time. For ease of reference, we assigned your correspondence identification number MVK-2007-872. Please refer to this number should you write or call us about your request.

If you have any questions about the status of your request, please call this office at (601) 631-5064 or (601) 631-7071.

Sincerely,

A handwritten signature in black ink, reading "Kenneth P. Mosley", is positioned above the typed name.

Kenneth P. Mosley  
Regulatory Branch

111 MacKenan Drive | Cary, North Carolina 27511  
tel: 919.469.3340 | fax: 919.535.4545  
www.withersravenel.com

DATE <b>7-25-08</b>	JOB NO. <b>02070587</b>
ATTENTION <b>Eric Alsmeyer</b>	
RE: <b>NBAF Sign-off Maps</b>	

TO **U.S. Army Corp of Engineers**  
**3331 Heritage Trade Drive**  
**Wake Forest, NC 27587**

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via \_\_\_\_\_ the following items:

- ☐ Shop drawings    ☐ Prints    ☐ Plans    ☐ Samples    ☐ Specifications  
☐ Copy of letter    ☐ Change order    ☐ Diskette    ☐ \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
<b>3</b>			<b>Sign-off Plats</b>

THESE ARE TRANSMITTED as checked below:

- ☐ For approval    ☐ Approved as submitted    ☐ Resubmit \_\_\_\_\_ copies for approval  
☐ For your use    ☐ Approved as noted    ☐ Submit \_\_\_\_\_ copies for distribution  
☐ As requested    ☐ Returned for corrections    ☐ Return \_\_\_\_\_ corrected prints  
☐ For review and comment    ☐ \_\_\_\_\_  
☐ FOR BIDS DUE \_\_\_\_\_ 20 \_\_\_\_\_ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS **ERIC,**

**Please let me know if you need anything else. Please return the milans signed!**

**Thanks**  
**Luke Tuschak**

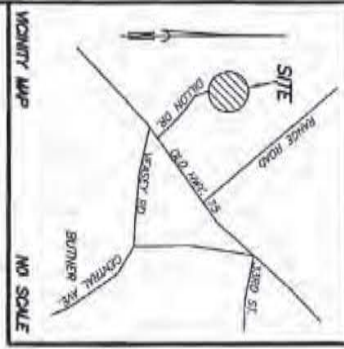
COPY TO \_\_\_\_\_



40% Pre-Consumer Content • 10% Post-Consumer Content

SIGNED: \_\_\_\_\_

**Luke Tuschak**

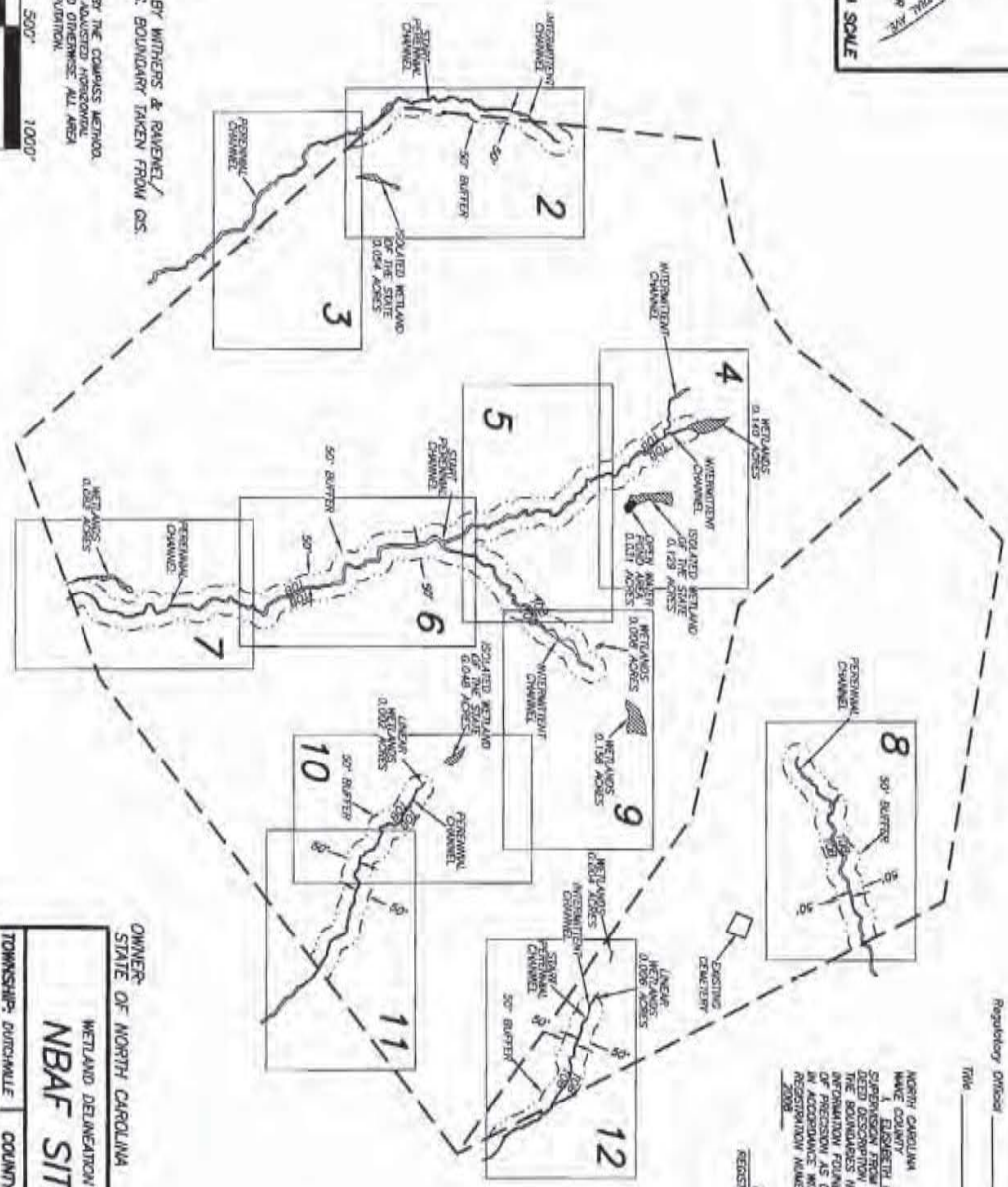


NOTE:  
BOUNDARY NOT SURVEYED BY WITHERS & RAVENEL,  
KENNETH CLOSE SURVEYING. BOUNDARY TAKEN FROM G.S.

NOTE:  
ALL DISTANCES WERE DETERMINED BY THE COMPOUND METHOD.  
THE DISTANCES ON THIS MAP ARE CALCULATED FROM THE  
GROUND DISTANCES UNLESS NOTED OTHERWISE. ALL AREA  
CALCULATED BY DOORWAY COMPUTATION.

500' 250' 0' 500' 1000'

SCALE IN FEET



"This certifies that this copy of this plat identifies as wetlands of the U.S. or wetlands of the State of North Carolina, including wetlands, requested pursuant to Section 404 of the Clean Water Act as determined by the undersigned on this date. Unless there is a change in law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed five (5) years from the date of this determination was made utilizing the 1982 Corps of Engineers Wetlands Delineation Manual."

Regulatory Official \_\_\_\_\_ Date \_\_\_\_\_  
Title \_\_\_\_\_ USACE Action ID \_\_\_\_\_

NORTH CAROLINA  
COUNTY OF \_\_\_\_\_  
I, ELIZABETH G. TURNER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTIVE SURVEY MADE UNDER MY SUPERVISION. THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS SHOWN FROM INFORMATION FOUND IN BOOK PAGE OF PRECISION AS CALCULATED IS 1/32,127. THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-50 AS AMENDED. WITNESS MY HAND AND SEAL OF OFFICE THIS 18th day of February, A.D. 2008.  
REGISTRATION NO. L-4440  
*Elizabeth G. Turner*



SITE DATA TABLE

0.231 ACRES	ISOLATED WETLANDS	
0.031 ACRES	OPEN WATER POND	
0.400 ACRES	WETLANDS	
0.662 ACRES	TOTAL AREA	

APPROXIMATELY  
249.289 ACRES  
EVALUATED AREA

WETLANDS DELINEATED BY:  
WITHERS & RAVENEL

FILE NO. NC-11

OWNER:  
STATE OF NORTH CAROLINA

WETLAND DELINEATION FOR  
**NBAF SITE**

TOWNSHIP: DUTCHESS COUNTY: GRANVILLE

STATE: NORTH CAROLINA

ZONE: PLN: 0867-91-2864

SURVEY DATE: 12-31-07

SCALE: 1" = 500'

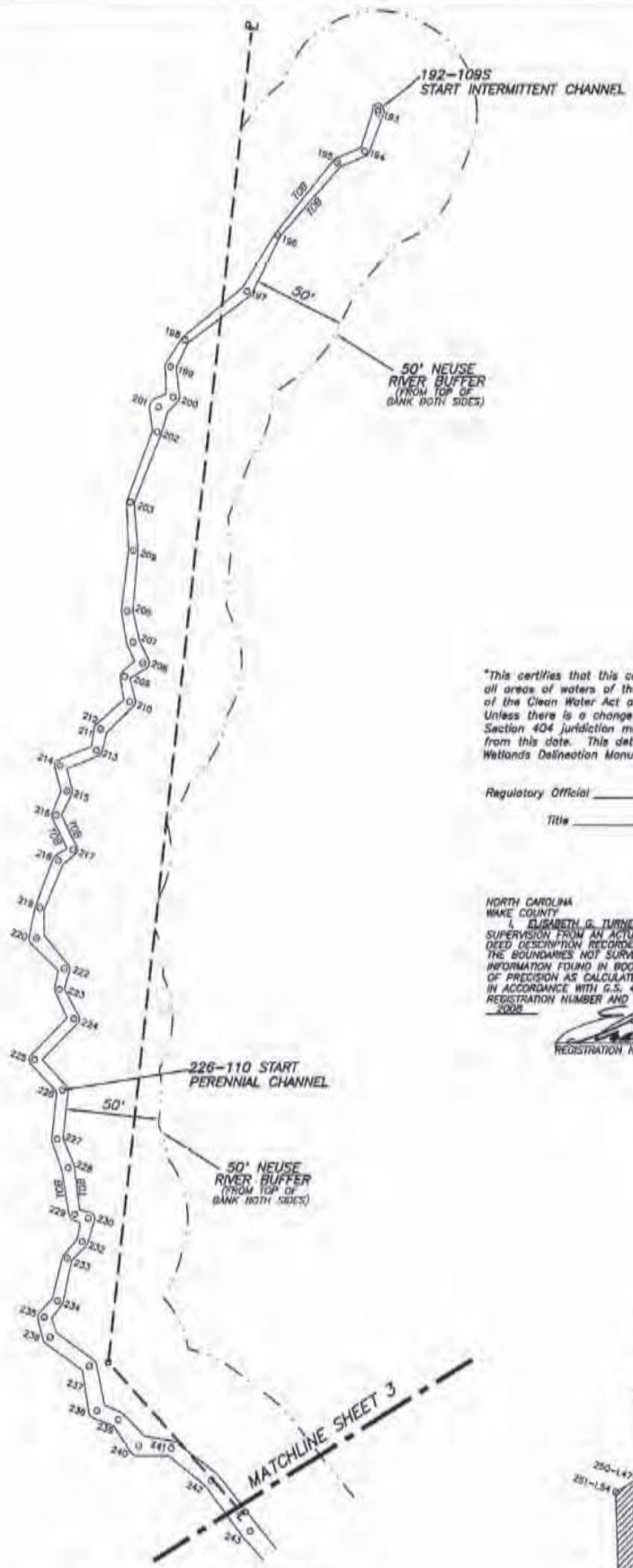
CHECKED BY: WITHERS & RAVENEL

DRAWN BY: RCB

SHEET 1 OF 13

WITHERS & RAVENEL/  
KENNETH CLOSE SURVEYING  
111 WILKINSON DRIVE - CARY, NC 27513  
PHONE: (919) 951-2344 FAX: (919) 951-6201

2

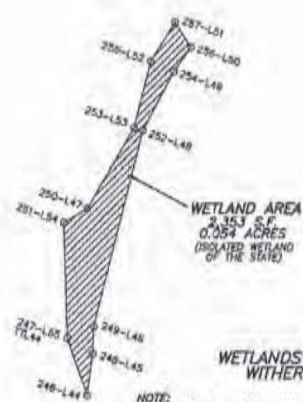
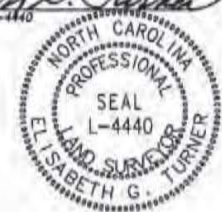


"This certifies that this copy of this plat identifies as waters of the U.S. or wetlands all areas of waters of the U.S., including wetlands, regulated pursuant to Section 404 of the Clean Water Act as determined by the undersigned on this date. Unless there is a change in law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed five (5) years from this date. This determination was made utilizing the 1987 Corps of Engineers Wetlands Delineation Manual."

Regulatory Official \_\_\_\_\_ Date \_\_\_\_\_  
Title \_\_\_\_\_ USACE Action ID \_\_\_\_\_

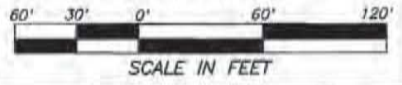
NORTH CAROLINA  
WAKE COUNTY  
I, ELIZABETH G. TURNER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION. DEED DESCRIPTION RECORDED IN BOOK \_\_\_\_\_ PAGE \_\_\_\_\_. THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK \_\_\_\_\_ PAGE \_\_\_\_\_. THAT THE RATIO OF PRECISION AS CALCULATED IS 1:20,128.2; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 12th DAY OF FEBRUARY A.D., 2006.

*Elizabeth G. Turner*  
REGISTRATION No. L-4440



WETLANDS DELINEATED BY:  
WITHERS & RAVENEL

NOTE: ENCLOSURE WAS DISTRIBUTED BY THE COMPASS METHOD. THE DISTANCES ON THE MAP ARE ADJUSTED HORIZONTAL GROUND DISTANCES UNLESS NOTED OTHERWISE. ALL AREA CALCULATED BY COORDINATE COMPUTATION.

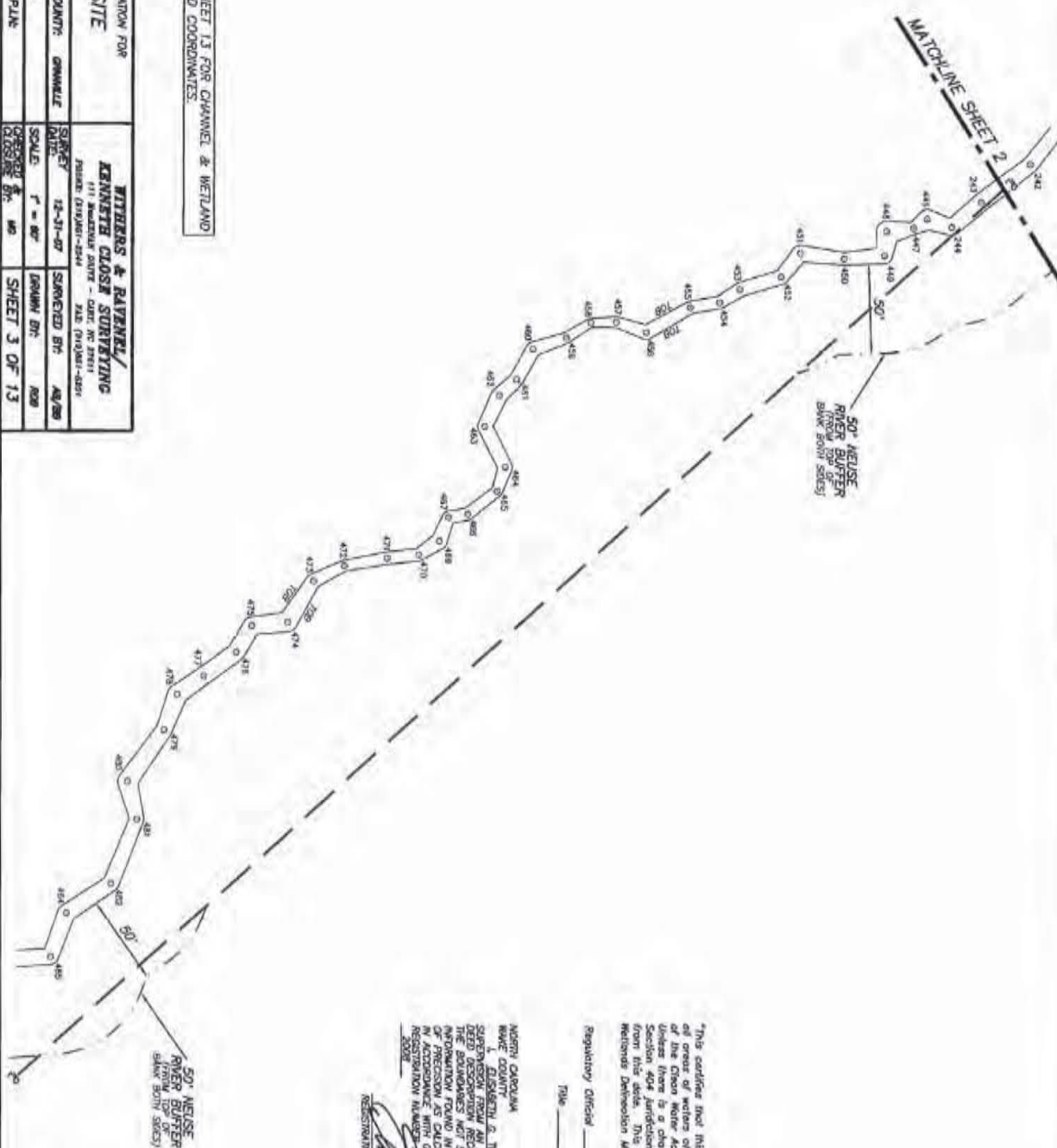


SEE SHEET 13 FOR CHANNEL & WETLAND NC GRID COORDINATES.

WETLAND DELINEATION FOR NBAF SITE		WITHERS & RAVENEL/ KENNETH CLOSE SURVEYING 111 NEWBURN DRIVE - CARY, NC 27511 PHONE: (919)861-8344 FAX: (919)861-8801	
TOWNSHIP:	COUNTY: ORANVILLE	SURVEY DATE: 12-31-07	SURVEYED BY: AR/WR
STATE: NORTH CAROLINA		SCALE: 1" = 80'	DRAWN BY: ROB
ZONE:	P.L.N:	ENCLOSURE & CLUSTER BY: NO	SHEET 2 OF 13



**MATCHLINE SHEET**



\*This certifies that this copy of this plot identifies as sections of the U.S. or sections of areas of the U.S., including sections, regulated pursuant to Section 404 of the Clean Water Act as determined by the undersigned on this date.

Unless there is a change in law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed the (3) years from this date. This determination was made within the 1987 Corps of Engineers Wetlands Definition Manual.

MEADOWSLEY OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

NORTH CAROLINA  
 HAVE COUNTY  
 1. CHARLES L. TUNNEY CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY  
 SUPERVISION AND THAT THE SURVEY WAS MADE UNDER MY SUPERVISION THAT  
 DEED RECORDATION RECORDED IN BOOK 10 PAGE 10  
 THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DEDUDED FROM  
 INFORMATION FOUND IN BOOK 10 PAGE 10  
 I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY  
 SUPERVISION IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY PERSONAL SIGNATURE  
 REGISTRATION NUMBER AND SEAL THIS 10TH DAY OF FEBRUARY A.D. 2006  
*(Signature)*

REGISTRATION NO. 6-440



WETLANDS DELINEATED BY:  
WITHERS & RAVENEL

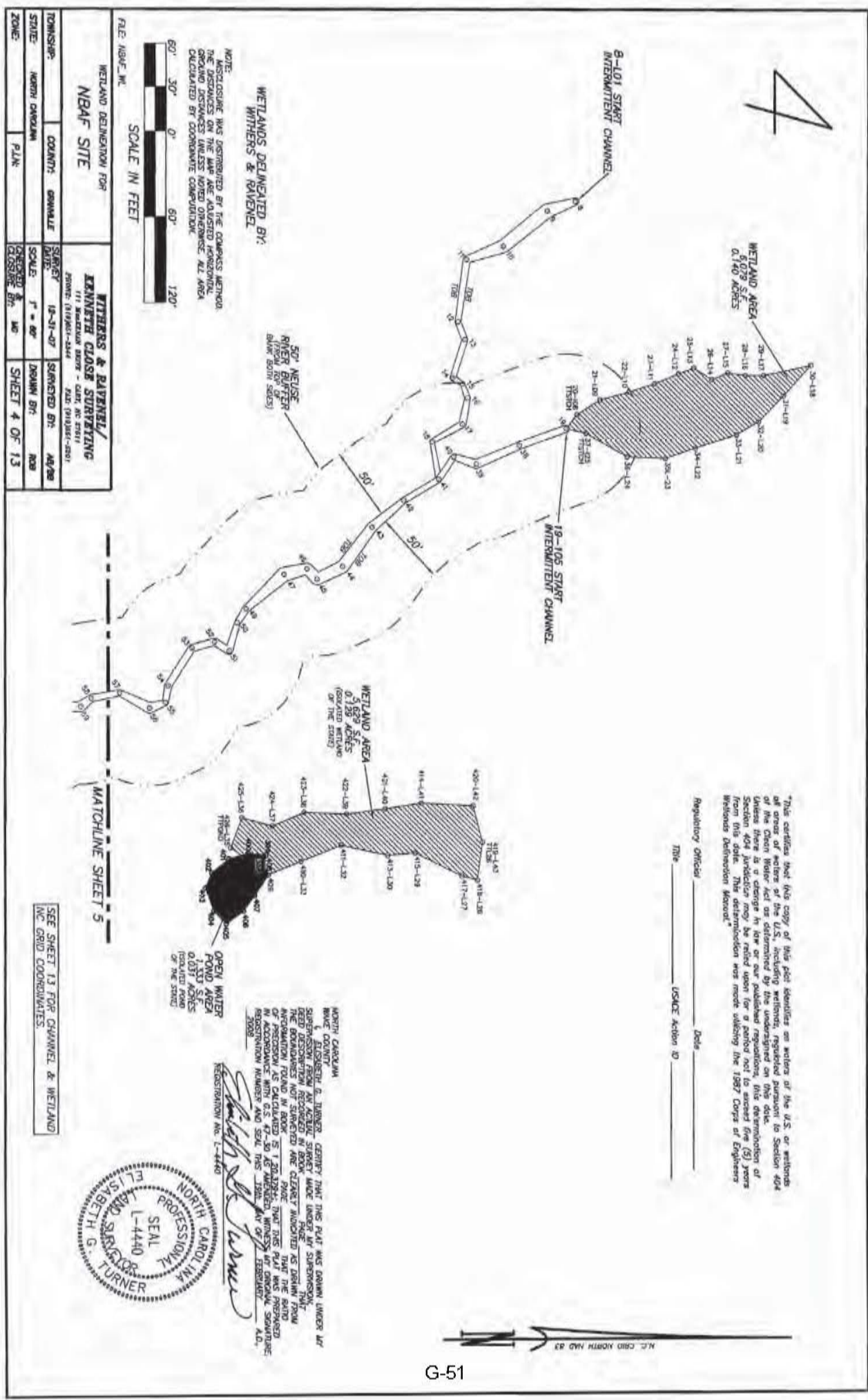
NOTE: MISCLOSURE WAS DISTRIBUTED BY THE COMBUST METHOD. THE DISTANCES ON THE MAP ARE ADJUSTED HORIZONTAL GROUND DISTANCES UNLESS NOTED OTHERWISE. ALL AREA CALCULATED BY COORDINATE COMPARISON.



METHOD DELINEATION FOR		WITHERS & RAVENEL/ KENNETH CLOSE SURVEYING 111 BROADWAY AVENUE - SUITE 400 JANESVILLE, OHIO 44651 PHONE (216) 821-8243 FAX (216) 821-8257	
TOWNSHIP	COUNTY	GRIMMEL	
STATE	NORTH CAROLINA		
ZONE	PLANE		
SHEET		12-31-07	
SCALE		1" = 40'	
CONVEYED BY		SURRENDERED BY	
CLOSURE BY		BY	
SHEET 3		OF 13	

SEE SHEET 13 FOR CHANNEL & WETLAND  
INC GRID COORDINATES.

4



"This certifies that this copy of this plot identifies an wetland of the U.S. or wetlands of the U.S. as defined by the U.S. Army Corps of Engineers under Section 404 of the Clean Water Act as determined by the undersigned on this date. Unless there is a change in law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed five (5) years from this date. This determination was made utilizing the 1987 Corps of Engineers Wetlands Delineation Manual."

Regulatory Official: \_\_\_\_\_ Date: \_\_\_\_\_  
Title: \_\_\_\_\_ USACE Action ID: \_\_\_\_\_

NORTH CAROLINA  
WAKE COUNTY  
I, ELIZABETH G. TURNER, CERTIFY THAT THIS PLOT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION. I AM A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF NORTH CAROLINA. THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DASHED FROM INFORMATION FOUND IN BOOK PAGE THAT THE BOUNDARY OF PROVISION AS CALCULATED IS 1.20 ACRES. THAT THIS PLOT WAS PREPARED IN ACCORDANCE WITH G.S. 42-50 AS AMENDED. WITNESSES MY HAND AND SEAL OF OFFICE THIS 15th DAY OF FEBRUARY, 2008.

*Elizabeth G. Turner*  
REGISTRATION NO. L-4440



WETLAND DELINEATION FOR		WITHERS & RAYNE/	
NEAF SITE		KENNETH CLOSE SURVEYING	
		111 KENNEDY DRIVE - GAITHERSBURG, MD 20878	
		PHONE: (301) 941-2444	
TOWNSHIP:	COUNTY:	GRANVILLE	STATE:
NORTH CAROLINA			
SCALE:	DATE:	19-21-07	SURVEYED BY:
1" = 60'			AK/RS
ZONE:	PLAN:		DESIGNED BY:
			MD
			SHEET 4 OF 13

SEE SHEET 13 FOR CHANNEL & WETLAND  
MC GRID COORDINATES

MATCHLINE SHEET 5

5

50' MEUSE  
RIVER BLATTER  
(FROM TOP OF  
BLANK BOAT SEALS)

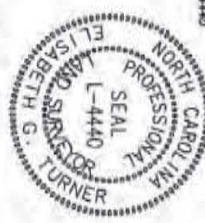
MATCHLINE SHEET 4

This certifies that this copy of this plot identifies as waters of the U.S. or wetlands of areas of waters of the U.S., including wetlands, regulated pursuant to Section 404 of the Clean Water Act as determined by the undersigned on this date:  
 Unless there is a change in law or our published regulations, this determination of wetlands may be used upon for a period not to exceed (5) years from this date. This determination was made utilizing the 1987 Corps of Engineers Wetlands Delineation Manual.

Regulatory Official \_\_\_\_\_ Date \_\_\_\_\_  
 Title \_\_\_\_\_ USACE Action IC \_\_\_\_\_

NORTH CAROLINA  
 MAKE COUNTY  
 I, ELIZABETH G. TURNER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTIVE SURVEY MADE UNDER MY SUPERVISION. THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THE INFORMATION FOUND IN BOOK \_\_\_\_\_ PAGE \_\_\_\_\_ OF RECORDS AS CALCULATED BY I, 20, 23, 24, THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH S.E. 17-25 AS ADJUDICATED BY THE COURT, SCOTT, TURNER, TURNER AND SEEL 17-25, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 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993, 994, 995, 996, 997, 998, 999, 1000.

Elizabeth G. Turner  
 Registration No. L-4440



WETLANDS DELINEATED BY:  
 WITHERS & RAYNELL

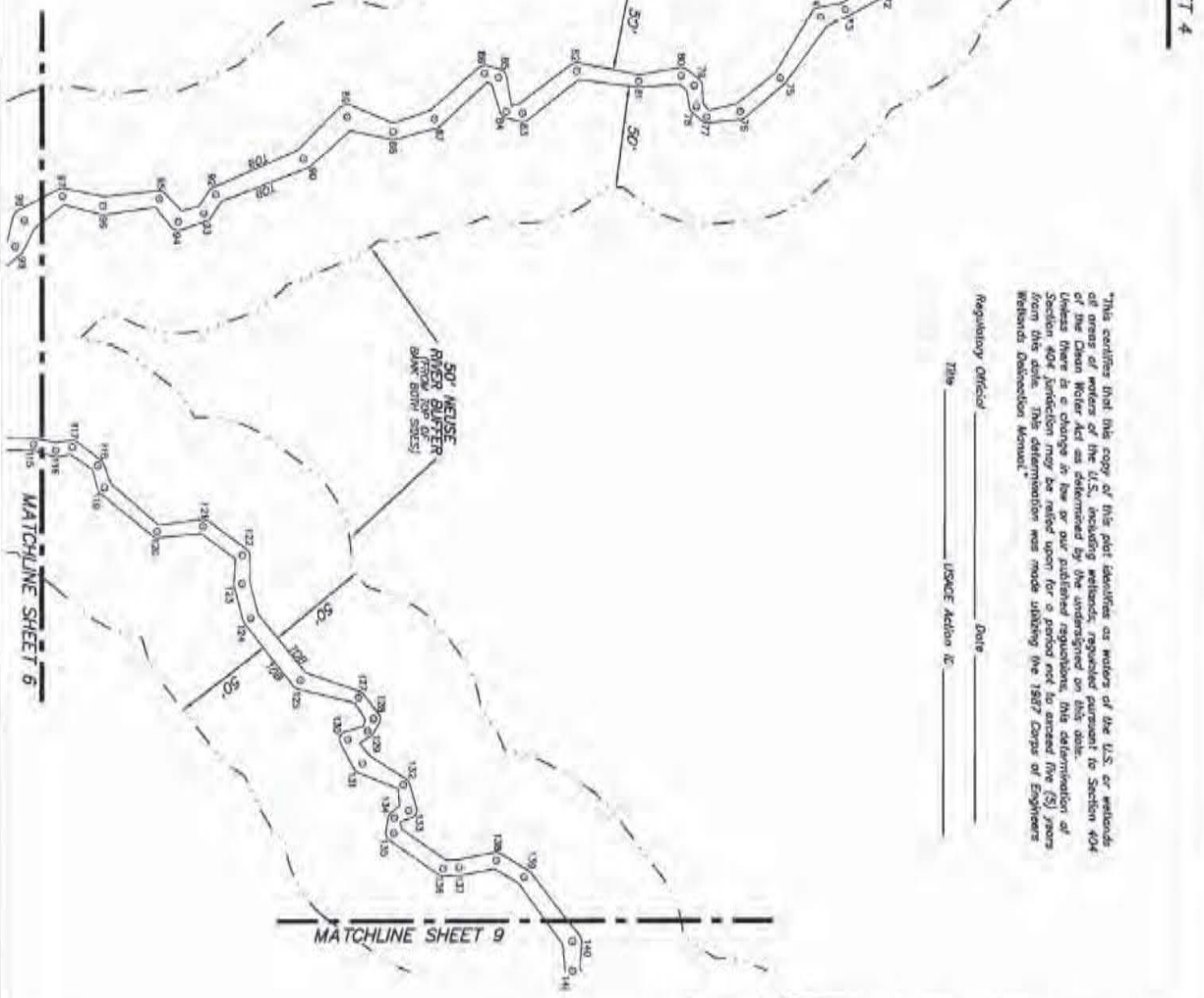
NOTE:  
 MISCELLANEOUS HAS DISTRIBUTED BY THE COMPASS METHOD.  
 THE DISTANCES ON THE MAP ARE ADJUSTED HORIZONTAL  
 DISTANCES UNLESS NOTED OTHERWISE. ALL AREA  
 CALCULATED BY COORDINATE COMPUTATION.



SCALE IN FEET

SEE SHEET 13 FOR CHANNEL & WETLAND  
 MC GRID COORDINATES.

WETLAND DELINEATION FOR			
NBAF SITE			
TOWNSHIP:	COUNTY:	GRANVILLE	WITHERS & RAYNELL
SITE:	NORTH CAROLINA	117 BUCKLEBURY DRIVE - CARR, NC 27511	KENNETH CLOSE SURVEYING
ZONE:	PLAT	12-21-07	117 BUCKLEBURY DRIVE - CARR, NC 27511
		SCALE: 1" = 60'	117 BUCKLEBURY DRIVE - CARR, NC 27511
		DRAWN BY: JMB	117 BUCKLEBURY DRIVE - CARR, NC 27511
		CHECKED BY: JMB	117 BUCKLEBURY DRIVE - CARR, NC 27511
		CLOSED BY: JMB	117 BUCKLEBURY DRIVE - CARR, NC 27511
		SHEET 5 OF 13	117 BUCKLEBURY DRIVE - CARR, NC 27511





6

START  
PERENNIAL  
CHANNEL50' NEUSE  
RIVER BUFFER  
(FROM TOP OF  
BANK BOTH SIDES)

\*This certifies that this copy of this plat identifies as waters of the U.S. or wetlands all areas of waters of the U.S., including wetlands, regulated pursuant to Section 404 of the Clean Water Act as determined by the undersigned on this date. Unless there is a change in law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed five (5) years from this date. This determination was made utilizing the 1987 Corps of Engineers Wetlands Delineation Manual.

Regulatory Official \_\_\_\_\_ Date \_\_\_\_\_

Title \_\_\_\_\_ USACE Action ID \_\_\_\_\_

NORTH CAROLINA  
WAKE COUNTY

I, ELISABETH G. TURNER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION. THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK \_\_\_\_\_ PAGE \_\_\_\_\_ THAT THE RATIO OF PRECISION AS CALCULATED IS 1:20,179. THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED, WITH MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 12TH DAY OF FEBRUARY, A.D., 2008.

Registration No. L-4440

WETLANDS DELINEATED BY:  
WITHERS & RAVENEL

NOTE:  
MISCELLANEOUS WAS DISTRIBUTED BY THE COMPASS METHOD.  
THE DISTANCES ON THE MAP ARE ADJUSTED HORIZONTAL  
GROUND DISTANCES UNLESS NOTED OTHERWISE. ALL AREA  
CALCULATED BY COORDINATE COMPUTATION.



SCALE IN FEET

FILE: NBAF\_WL

WETLAND DELINEATION FOR NBAF SITE		WITHERS & RAVENEL/ KENNETH CLOSE SURVEYING 111 WILKINSON DRIVE - CARY, NC 27511 PHONE: (919) 451-8244 FAX: (919) 451-8501	
TOWNSHIP:	COUNTY: GRANVILLE	SURVEY DATE: 12-31-07	SURVEYED BY: AR/BB
STATE: NORTH CAROLINA		SCALE: 1" = 80'	DRAWN BY: ROB
ZONE:	P.L.N.	DATE OF SURVEY: 12-31-07	SHEET 6 OF 13

MATCHLINE SHEET 7

SEE SHEET 13 FOR CHANNEL & WETLAND  
NC GRID COORDINATES.



7

MATCHLINE SHEET 6

50' NEUSE RIVER BUFFER  
(FROM TOP OF BANK BOTH SIDES)

N  
N.C. GRID NORTH AND EAST

"This certifies that this copy of this plat identifies as waters of the U.S. or wetlands all areas of waters of the U.S., including wetlands, regulated pursuant to Section 404 of the Clean Water Act as determined by the undersigned on this date. Unless there is a change in law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed five (5) years from this date. This determination was made utilizing the 1987 Corps of Engineers Wetlands Delineation Manual."

Regulatory Official \_\_\_\_\_ Date \_\_\_\_\_  
Title \_\_\_\_\_ USACE Action ID \_\_\_\_\_

NORTH CAROLINA  
WAKE COUNTY  
I, ELISABETH G. TURNER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION. DEED DESCRIPTION RECORDED IN BOOK \_\_\_\_\_ PAGE \_\_\_\_\_ THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK \_\_\_\_\_ PAGE \_\_\_\_\_ THAT THE RATIO OF PRECISION AS CALCULATED IS 1:20,428.33 THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 12th DAY OF FEBRUARY, A.D., 2000

*Elisabeth G. Turner*  
REGISTRATION No. L-4440



WETLAND AREA  
3,563 S.F.  
0.082 ACRES

50' NEUSE RIVER BUFFER  
(FROM TOP OF BANK BOTH SIDES)

SEE SHEET 13 FOR CHANNEL & WETLAND NC GRID COORDINATES.

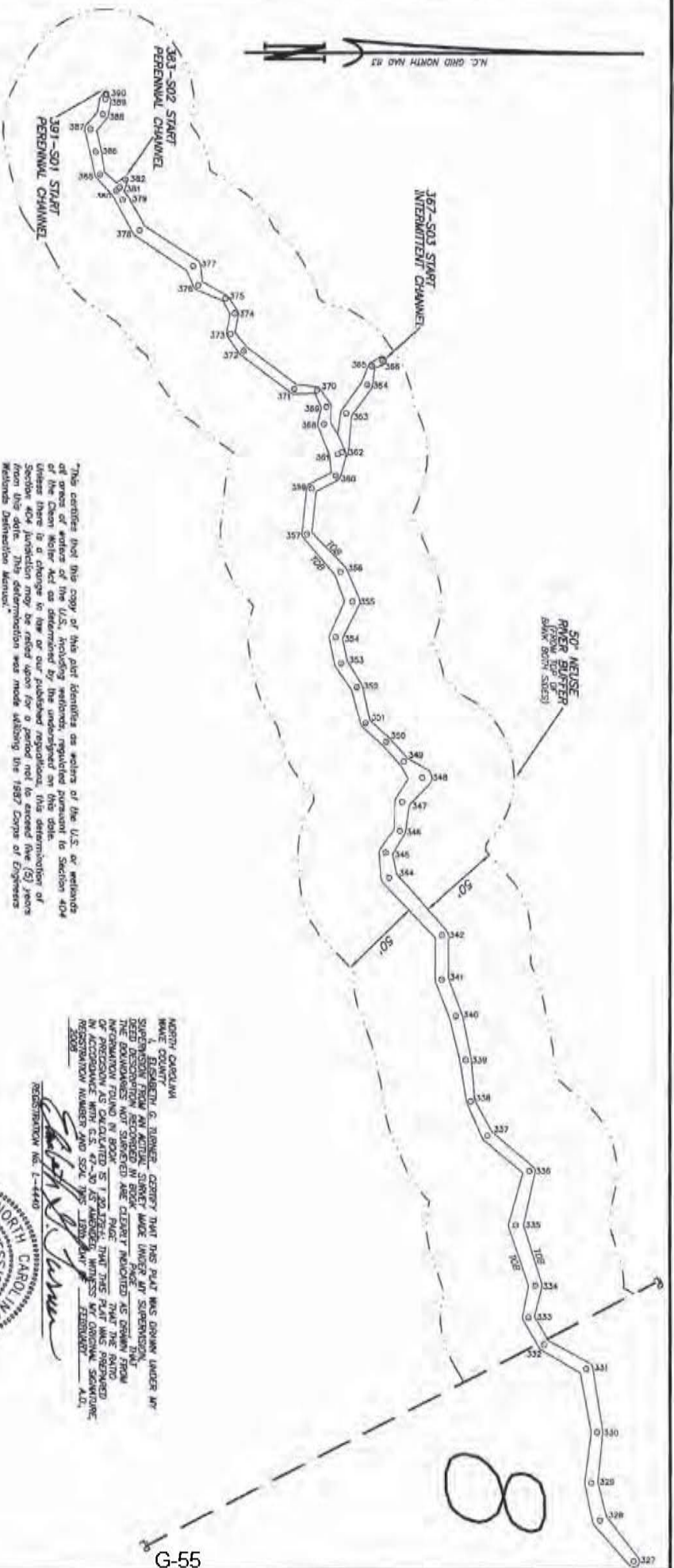
FILE: NBAF\_WL

WETLAND DELINEATION FOR NBAF SITE		WITHERS & RAVENEL/ KENNETH CLOSE SURVEYING 111 WALKERMAN DRIVE - CARY, NC 27511 PHONE: (919)851-2244 FAX: (919)851-5201	
TOWNSHIP:	COUNTY: GRANVILLE	SURVEY DATE: 12-31-07	SURVEYED BY: AR/MB
STATE: NORTH CAROLINA		SCALE: 1" = 80'	DRAWN BY: ROB
ZONE:	P.L.H.	CHANGED BY: MB	SHEET 7 OF 13

NOTE: ENCLOSURE WAS DISTRIBUTED BY THE COMPASS METHOD. THE DISTANCES ON THE MAP ARE ADJUSTED HORIZONTAL GROUND DISTANCES UNLESS NOTED OTHERWISE. ALL AREA CALCULATED BY COORDINATE COMPUTATION.

60' 30' 0' 60' 120'  
SCALE IN FEET

N.C. GRID NORTH MAG 83



This certifies that this copy of this plat identifies an action of the U.S. or wetlands of the U.S. as defined by the U.S. Army Corps of Engineers pursuant to Section 404 of the Clean Water Act as determined by the undersigned on this date. Unless there is a change in law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed five (5) years from this date. This determination was made utilizing the 1987 Corps of Engineers Wetlands Delineation Manual.

Regulatory Official \_\_\_\_\_ Date \_\_\_\_\_

Title \_\_\_\_\_ USACE Action ID \_\_\_\_\_

NORTH CAROLINA  
STATE OF NORTH CAROLINA  
COUNTY OF WAKE  
I, ELIZABETH G. TURNER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION. THE DESCRIPTIONS AND RECORDS IN BOOK HEREIN RECORDED AS BEING THAT OF THE SURVEYOR AND THE PLAT HEREIN RECORDED AS BEING THAT OF THE SURVEYOR AS CALCULATED IS 1.20 1754. THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED, WITNESS MY OFFICIAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 13TH DAY OF FEBRUARY, A.D. 1988.

REGISTRATION NO. L-4440



WETLANDS DELINEATED BY:  
WITHERS & RAYENEL

NOTE:  
ENCLOSURE WAS DISTRIBUTED BY THE COMPASS METHOD.  
THE DISTANCES ON THE MAP ARE ADJUSTED HORIZONTAL  
DISTANCES. ALL DISTANCES WERE CALCULATED BY  
COORDINATE COMPARISON.



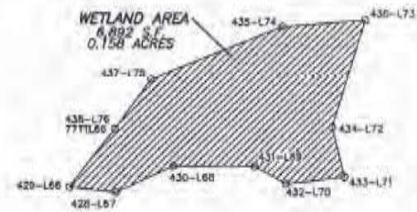
SCALE IN FEET

SEE SHEET 13 FOR CHANNEL & WETLAND  
NC GRID COORDINATES.

WETLAND DELINEATION FOR			
NBAF SITE			
TOWNSHIP:	COUNTY:	WITHERS & RAYENEL/	
NORTH CAROLINA	GRANVILLE	KENNETH CLOSE SURVEYING	
STATE:	DATE:	17-31-87	DATE: 10-25-87
ZONE:	PLAT:	SCALE: 1" = 60'	DRAWN BY: RCB
		DATE: 10-25-87	SHEET 8 OF 13

FILE: NBAF.WL

9



NORTH CAROLINA  
WAKE COUNTY  
I, ELISABETH G. TURNER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, DATED DESCRIPTION RECORDED IN BOOK PAGE THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK PAGE THAT THE RATIO OF PRECISION AS CALCULATED IS 1:20,129.44; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED, WITH MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 28th DAY OF FEBRUARY, A.D. 2008.

*Elisabeth G. Turner*  
REGISTRATION No. L-4440



"This certifies that this copy of this plat identifies as waters of the U.S. or wetlands all areas of waters of the U.S., including wetlands, regulated pursuant to Section 404 of the Clean Water Act as determined by the undersigned on this date. Unless there is a change in law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed five (5) years from this date. This determination was made utilizing the 1987 Corps of Engineers Wetlands Delineation Manual."

Regulatory Official \_\_\_\_\_ Date \_\_\_\_\_  
Title \_\_\_\_\_ USACE Action ID \_\_\_\_\_

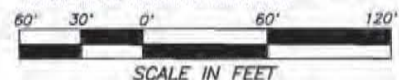
SEE SHEET 13 FOR CHANNEL & WETLAND  
NG GRID COORDINATES.

FILE: NBAF\_WL

WETLAND DELINEATION FOR NBAF SITE		WITHERS & RAVENEL/ KENNETH CLOSE SURVEYING 111 MONROHAN DRIVE - CLARK, NC 27011 PHONE: (919) 851-2344 FAX: (919) 851-2301	
TOWNSHIP:	COUNTY: GRANVILLE	SURVEY DATE: 12-31-07	SURVEYED BY: AR/MB
STATE: NORTH CAROLINA		SCALE: 1" = 80'	DRAWN BY: ROB
ZONE:	PLAN:	CHECKED & CLOSED BY: MB	SHEET 9 OF 13

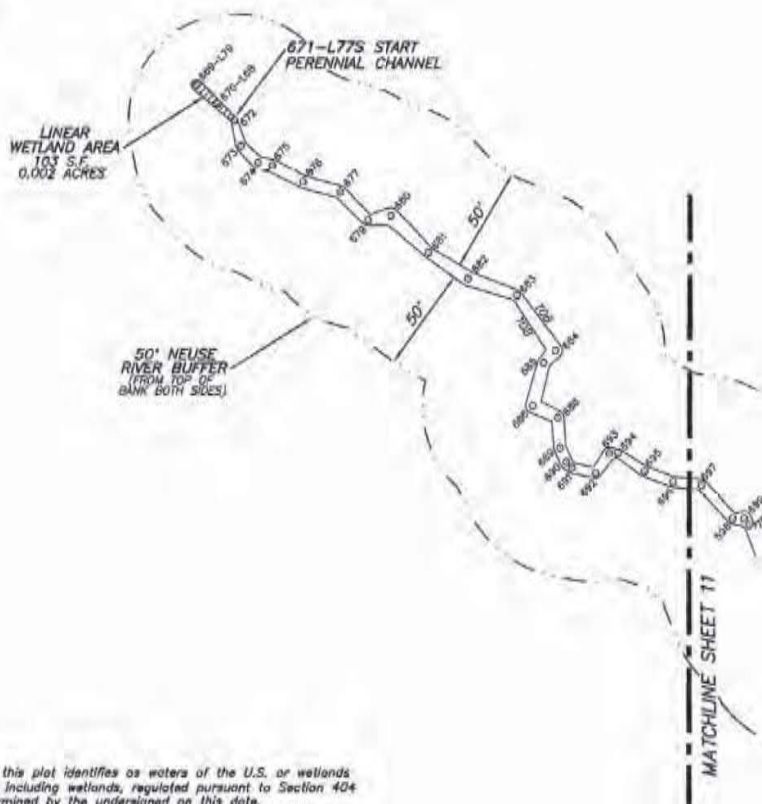
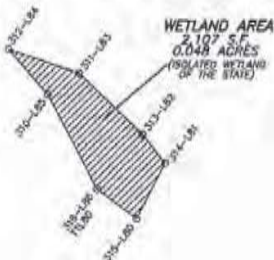
WETLANDS DELINEATED BY:  
WITHERS & RAVENEL

NOTE:  
MISCLOSURE WAS DISTRIBUTED BY THE COMPASS METHOD.  
THE DISTANCES ON THE MAP ARE ADJUSTED HORIZONTAL  
GROUND DISTANCES UNLESS NOTED OTHERWISE. ALL AREA  
CALCULATED BY COORDINATE COMPUTATION.





10



"This certifies that this copy of this plot identifies as waters of the U.S. or wetlands all areas of waters of the U.S., including wetlands, regulated pursuant to Section 404 of the Clean Water Act as determined by the undersigned on this date. Unless there is a change in law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed five (5) years from this date. This determination was made utilizing the 1987 Corps of Engineers Wetlands Delineation Manual."

Regulatory Official \_\_\_\_\_ Date \_\_\_\_\_  
Title \_\_\_\_\_ USACE Action ID \_\_\_\_\_

NORTH CAROLINA  
WAKE COUNTY  
I, ELISABETH G. TURNER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION. DEED DESCRIPTION RECORDED IN BOOK \_\_\_\_\_ PAGE \_\_\_\_\_. THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK \_\_\_\_\_ PAGE \_\_\_\_\_. THAT THE RATIO OF PRECISION AS CALCULATED IS 1:20,372. THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 42-30 AS AMENDED, WITH MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 12th DAY OF FEBRUARY, A.D., 2008.

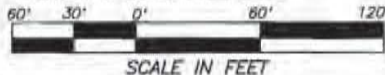
*Elisabeth G. Turner*  
REGISTRATION NO. L-4440



SEE SHEET 13 FOR CHANNEL & WETLAND NC GRID COORDINATES.

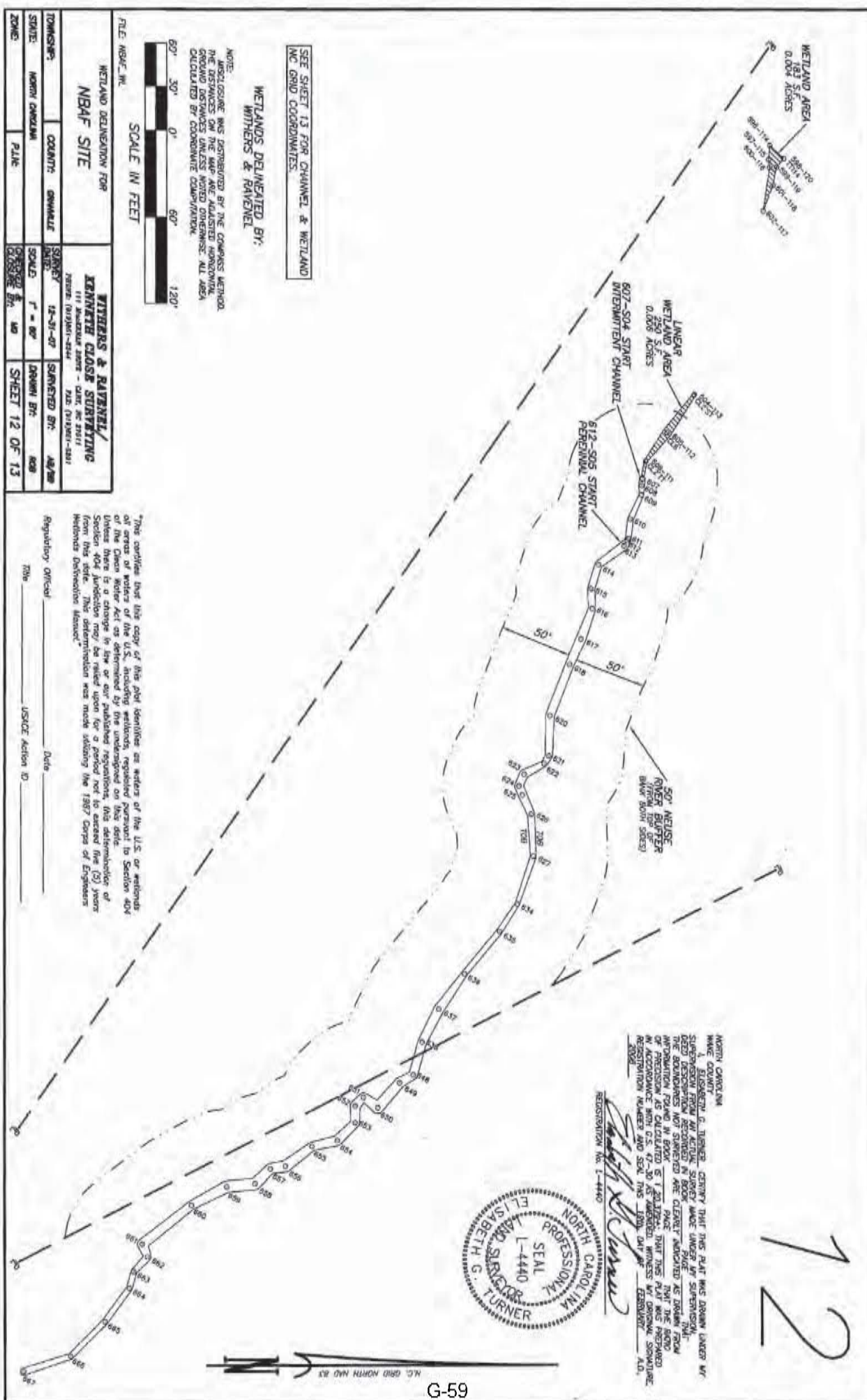
WETLANDS DELINEATED BY:  
WITHERS & RAVENEL

NOTE: ENCLOSURE WAS DISTRIBUTED BY THE COMPASS METHOD. THE DISTANCES ON THE MAP ARE ADJUSTED HORIZONTAL GROUND DISTANCES UNLESS NOTED OTHERWISE. ALL AREA CALCULATED BY COORDINATE COMPUTATION.



WETLAND DELINEATION FOR		WITHERS & RAVENEL/ KENNETH CLOSE SURVEYING	
NBAF SITE		111 HUNTERMAN DRIVE - CARY, NC 27511	
TOWNSHIP:	COUNTY: GRAMMILE	PHONE: (919)851-2244	FAX: (919)851-8201
STATE: NORTH CAROLINA	SURVEY DATE: 12-31-07	SURVEYED BY: AR/BR	
ZONE:	SCALE: 1" = 80'	DRAWN BY: ROR	
	PLAT: 10	SHEET 10 OF 13	

11



SEE SHEET 13 FOR CHANNEL & WETLAND  
MC GRID COORDINATES.

WETLANDS DELINEATED BY:  
WITHERS & RAVENEL

NOTE: DISTANCES ARE DERIVED BY THE COMMON METHOD  
THE DISTANCES FOR THE WETLANDS DELINEATION  
GROUND DISTANCES UNLESS NOTED OTHERWISE. ALL AREA  
CALCULATED BY COORDINATE COMPARISON.



WETLAND DELINEATION FOR NBAF SITE			
TOWNSHIP	COUNTY	DRAWN BY	DATE
NORTH CAROLINA	DAVIE	WITHERS & RAVENEL	12-31-07
ZONE	PALE	SHEET 12 OF 13	

"This certifies that this copy of this plot identifies as waters of the U.S. or wetlands  
of areas of waters of the U.S. including wetlands, regulated pursuant to Section 404  
of the Clean Water Act as determined by the undersigned on this date.  
Unless there is a change in law or our published regulations, this delineation of  
Section 404 jurisdiction may be relied upon for a period not to exceed five (5) years  
from this date. This delineation was made following the 1987 Corps of Engineers  
Wetlands Delineation Manual."

Regulatory Official \_\_\_\_\_ Date \_\_\_\_\_  
Title \_\_\_\_\_ USACE Action ID \_\_\_\_\_

NORTH CAROLINA  
WAKE COUNTY  
I, JAMES G. TURNER, CERTIFY THAT THIS PLOT WAS DRAWN UNDER MY  
SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION.  
THE BOUNDARIES NOT SHOWN ARE CLEARLY INDICATED AS DRAWN FROM  
AN APPROPRIATE PLAT IN BOOK 65, PAGE 120. I HAVE BEEN  
IN ACCORDANCE WITH U.S. 47-30 AS WITNESSED BY TWO QUALIFIED  
WITNESSES WHOSE NAMES AND SEALS ARE SHOWN BELOW.  
JAMES G. TURNER  
REGISTRATION NO. L-4440  
FEBRUARY 1, 2008



12



PT#	N	E	DESC.	PT#	N	E	DESC.	PT#	N	E	DESC.	PT#	N	E	DESC.
1	876800.1251	2060401.6884	1015TCH	194	876240.7427	2059512.0262	1015TCH	388	877249.1099	2063033.0621	1017TCH	588	876947.8753	2063030.4020	1207T114
2	876760.4381	2060402.3434	1016TCH	195	876240.7427	2059512.0262	1015TCH	389	877249.1099	2063033.0621	1017TCH	589	876947.8753	2063030.4020	1207T114
3	876748.0781	2060404.2040	1016TCH	196	876240.7427	2059512.0262	1015TCH	390	877249.1099	2063033.0621	1017TCH	590	876947.8753	2063030.4020	1207T114
4	876717.4281	2060404.2040	1016TCH	197	876240.7427	2059512.0262	1015TCH	391	877249.1099	2063033.0621	1017TCH	591	876947.8753	2063030.4020	1207T114
5	876717.4281	2060404.2040	1016TCH	198	876240.7427	2059512.0262	1015TCH	392	877249.1099	2063033.0621	1017TCH	592	876947.8753	2063030.4020	1207T114
6	876717.4281	2060404.2040	1016TCH	199	876240.7427	2059512.0262	1015TCH	393	877249.1099	2063033.0621	1017TCH	593	876947.8753	2063030.4020	1207T114
7	876717.4281	2060404.2040	1016TCH	200	876240.7427	2059512.0262	1015TCH	394	877249.1099	2063033.0621	1017TCH	594	876947.8753	2063030.4020	1207T114
8	876717.4281	2060404.2040	1016TCH	201	876240.7427	2059512.0262	1015TCH	395	877249.1099	2063033.0621	1017TCH	595	876947.8753	2063030.4020	1207T114
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16	876717.4281	2060404.2040	1016TCH	209	876240.7427	2059512.0262	1015TCH	403	877249.1099	2063033.0621	1017TCH	603	876947.8753	2063030.4020	1207T114
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## **Section 7 of the Endangered Species Act**

Section 7 of the Endangered Species Act			
	Consultation Initiated	Supplemental Contact	Agency Response
South Milledge Avenue Site Alternative	April 7, 2008		May 16, 2008
Manhattan Campus Site Alternative	November 30, 2007	Consultation letter sent on behalf of DHS on April 7, 2008	December 6, 2007 December 13, 2007
Flora Industrial Park Site Alternative	April 20, 2007	Consultation letter sent on behalf of DHS on April 7, 2008	April 27, 2007
Plum Island Site Alternative	April 7, 2008		August 20, 2008
Umstead Research Park Site Alternative	April 7, 2008	Phone call to Raleigh Field Office, U.S. Fish and Wildlife Service on October 21, 2008	October 22, 2008
Texas Research Park Site Alternative	April 7, 2008	Phone call to Austin Field Office, U.S. Fish and Wildlife Service on October 21, 2008	ongoing





**DIAL CORDY**  
**AND ASSOCIATES INC**  
*Environmental Consultants*

7 April 2008

USFWS Georgia Field Office  
Attn: Sandy Tucker  
West Park Center  
105 West Park Drive, Suite D  
Athens, GA 30606

Dear Ms. Tucker:

On behalf of the Department of Homeland Security (DHS), I am requesting informal consultation with the US Fish and Wildlife Service regarding the proposed construction of the National Bio and Agro-Defense Facility (NBAF). DHS is currently preparing a Draft Environmental Impact Statement (DEIS) that will assess the environmental consequences resulting from the site selection, construction, and operation of the proposed NBAF. The NBAF would be used to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases. Project alternatives include six locations in Athens, Georgia; Butner, North Carolina; Flora, Mississippi; Manhattan, Kansas; Plum Island, New York; and San Antonio, Texas. I am requesting informal consultation with the Georgia Field Office regarding the Athens, Georgia site alternative.

To assist with the preparation of the DEIS, please evaluate the subject property for potential conflicts with federally listed species and/or critical habitat that may occur in the area. A copy of the forthcoming DEIS will be provided to the Georgia Field Office for additional project review and comment. The attachments to this letter include a description of the project, descriptions of project area habitats, and maps showing the location of the project area. I appreciate your assistance with this project.

Sincerely,

Rahlff Ingle  
Senior Ecologist  
Dial Cordy & Associates Inc.

## NATIONAL BIO AND AGRO-DEFENSE FACILITY ATHENS, CLARKE COUNTY, GEORGIA

### PROJECT DESCRIPTION

In response to US Department of Homeland Security (DHS), US Department of Agriculture (USDA), Agricultural Research Service (ARS), and Animal & Plant Health Inspection Service (APHIS) mission requirements, the DHS has proposed the construction and operation of the National Bio and Agro-Defense Facility (NBAF). The NBAF would be an approximately 500,000–520,000 square foot facility designed and operated to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases (diseases transmitted from animals to humans). The NBAF would provide the necessary biological safety and biocontainment infrastructure for 250–350 scientists and support staff to research and develop diagnostics for, and countermeasures to, high-consequence biological threats involving foreign animal and zoonotic diseases. The DHS anticipates that the facility would focus on foot and mouth disease, classical swine fever, African swine fever, Rift Valley fever, Nipah virus, Hendra virus, contagious bovine pleuropneumonia, and Japanese encephalitis.

### ATHENS SITE DESCRIPTION

The Athens site is located west of the South Milledge Avenue/Whitehall Road intersection in Athens-Clarke County, Georgia. The site is an approximately 66-acre tract of land that is owned by the University of Georgia. Approximately 80 percent of the site consists of fenced pasture that is utilized by the University of Georgia as a grazing area for livestock. Groundcover within the pasture area is dominated by cultivated forage grasses. Natural forested communities occur on the extreme northwestern, western, and southwestern portions of the property. Forested areas consist primarily of dry-mesic oak-hickory forest. Typical overstory species include white oak (*Quercus alba*), southern red oak (*Quercus falcata*), water oak (*Quercus nigra*), pignut hickory (*Carya glabra*), mockernut hickory (*Carya alba*), yellow poplar (*Liriodendron tulipifera*), and sweetgum (*Liquidambar styraciflua*). Understory trees and shrubs include beech (*Fagus grandifolia*), flowering dogwood, hop-hornbeam (*Ostrya virginiana*), winged elm (*Ulmus alata*), red maple (*Acer rubrum*), chalk maple (*Acer leucoderme*), painted buckeye (*Aesculus sylvatica*), and sparkleberry (*Vaccinium arboreum*). Portions of the forested areas are inside the pasture fence line, and livestock have compacted soils and eliminated the herbaceous stratum in these areas. Herbaceous species are very sparse to absent in the remaining forested areas, with groundcover consisting primarily of leaf litter.

The property contains three small perennial headwater stream segments, all of which originate within the boundaries of the site. These tributaries eventually discharge into the Middle Oconee River approximately 1,700 feet southwest of the NBAF site. A small (0.01 acre) alluvial hardwood forest community occurs on the narrow floodplain associated with one of the stream segments. Overstory trees include red maple, green ash (*Fraxinus pennsylvanica*), sweetgum, water oak, and river birch (*Betula nigra*). Understory trees and shrubs include ironwood (*Carpinus caroliniana*), Chinese privet (*Ligustrum sinense*), and hardwood saplings. Scattered herbaceous species include lurid sedge (*Carex lurida*), false nettle (*Boehmeria cylindrica*), and smartweed (*Polygonum cepitosum*).





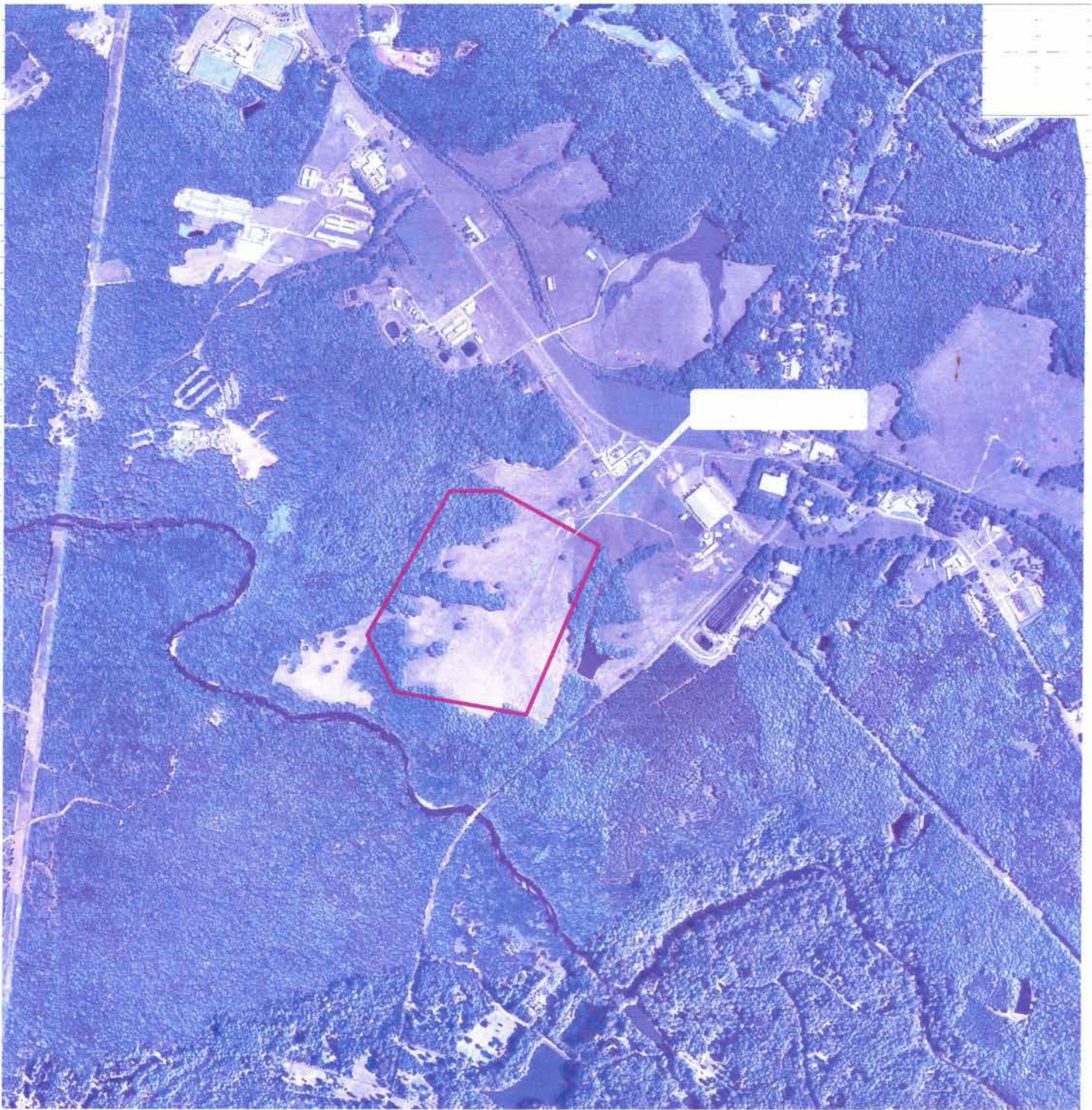
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Homeland  
Security





# United States Department of the Interior

## Fish and Wildlife Service

105 West Park Drive, Suite D  
Athens, Georgia 30606



West Georgia Sub Office  
P.O. Box 52560  
Ft. Benning, Georgia 31995-2560

Mr. Rahlff Ingle  
Dial Cordy and Associates  
First Union Building, Suite 601  
201 North Front Street  
Wilmington, NC 28401

MAY 16 2008

Coastal Sub Office  
4270 Norwich Street  
Brunswick, Georgia 31520

Re: FWS Log Number: NG-08-435-Clar

Dear Mr. Ingle:

Thank you for providing information about the National Bio and Agro-Defense facility (NBAF). The NBAF would be used to study diseases categorized as foreign animal diseases and zoonotic diseases. You requested our evaluation of the proposed Athens, Georgia site in regard to potential conflicts with federally listed species and/or critical habitat that may occur in the area. We are providing the following comments as part of our informal consultation in accordance with section 7(a) (2) of the Endangered Species Act of 1973, as amended, (16 U.S.C. 1531 et seq.).

No critical habitat for federally listed species is present in Clarke County; therefore critical habitat is not a concern for the Athens location of the NBAF. From our review of the Project Description, Athens Site Description, and maps included in your letter, and our knowledge of the area, we don't expect federally listed species to occur on the project site or immediate vicinity.

Thank you for the opportunity to comment on your project. Please call Deborah Harris (706-613-9493 ext 224) if you have any questions.

Sincerely,

Sandra S. Tucker  
Field Supervisor

November 30, 2007



Office of Research and  
Sponsored Programs  
102 Fairchild Hall  
Manhattan, KS 66506-1103  
785-532-6195  
Fax: 785-532-2983

James Larson  
Ecologist  
Kansas Department of Wildlife and Parks  
412 SE 25<sup>th</sup> Avenue  
Pratt, KS 67124

Mr. Larson:

Kansas State University (K-State) would like to request an environmental review of the land parcel that is being considered by the Department of Homeland Security (DHS) as the National Bio and Agro-Defense Facility (NBAF) location. There are five other locations being considered across the country. DHS's contractor is currently conducting the NEPA required environmental impact study on the KSU site (as well as on the five other sites) and has asked K-State to make this environmental review request. NBAF will be a high-containment facility for the study of zoonotic and high-consequence animal diseases. The facility will be designed to help DHS fulfill its mission of detecting, preventing, protecting against, and responding to biological and agricultural threats.

Please find attached:

- An aerial map of the site
- A "KS\_project Description" file which contains a conceptualization of what the NBAF will possibly look like when built.
- A legal description of the site that was included in House Bill 252.

If you need more information or you have questions, please contact Mary Lou Marino in our Research and Sponsored Programs Office at 785-532-3211. Thank you for considering this request.

Sincerely,



James A. Guikema, Ph.D.  
Associate Vice President for Research





## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

Kansas Ecological Services Field Office

2609 Anderson Avenue

Manhattan, Kansas 66502-2801



December 13, 2007

R. W. Trewyn  
Vice President for Research  
President, KSU Research Foundation  
108 Anderson Hall  
Manhattan, KS 66506-0113

RE: Proposed NBAF Facility

64411-2008-B-0123

Dear Mr. Trewyn:

This is in response to your November 28, 2007 letter requesting threatened and endangered species and sensitive resources information relative to the proposed construction by the Department of Homeland Security of a National Bio and Agro-Defense Facility on the Kansas State University campus, in Riley County, Kansas. The location for this project is S36-T9S-R7E. The following information is provided for your consideration.

In accordance with section 7(c) of the Endangered Species Act, we have determined that the federally-listed endangered Topeka shiner (*Notropis topeka*), least tern (*Sterna antillarum*), and the threatened piping plover (*Charadrius melodus*) may occur in suitable habitats in Riley County. The Topeka shiner occurs in Wildcat Creek and Deep Creek, both near the Manhattan vicinity. The two bird species seasonally utilize sandbar habitats in the Kansas River, south and east of town. No habitats suitable for any of these species occurs on the site proposed for this project. The review process should assess whether any phase of project construction or operation, including the possibility of accidental escape of any pathogens housed at the facility, could adversely affect these species or their habitats.

The Migratory Bird Treaty Act prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Department of the Interior. Takings could result from projects in prairies, wetlands, stream and woodland habitats, and those that occur on bridges and other structures if swallow or phoebe nests are present. While the provisions of MBTA are applicable year-round, most migratory bird nesting activity in Kansas occurs during the period of April 1 to July 15. However, some migratory birds are known to nest earlier than this (e.g., hawks and owls) and some later (e.g., goldfinches). If construction of the proposed project will occur during the nesting season in habitat capable of supporting bird nesting, I recommend a field survey during the nesting season of the affected habitats and structures to determine the presence of active nests. Our office should be contacted immediately for further guidance if a field survey identifies

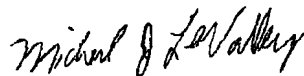
the existence of one or more active bird nests that you believe cannot be avoided temporally or spatially by the planned activities.

Invasive species have been identified as a major factor in the decline of native flora and fauna and impact aquatic resources. Invasive species of particular concern in Kansas include the zebra mussel (*Dreissena polymorpha*), Eurasian watermilfoil (*Myriophyllum spicatum*), purple loosestrife (*Lythrum salicaria*), johnsongrass (*Sorghum halapense*), sericea lespedeza (*Lespedeza cuneata*), saltcedar (*Tamarix* spp.), and reed canarygrass (*Phalaris arundinacea*). Additional information on aquatic invasive species in Kansas can be found on KDWP's website [http://www.kdep.state.ks.us/news/fishing/aquatic\\_nuisance\\_species](http://www.kdep.state.ks.us/news/fishing/aquatic_nuisance_species) Executive Order 13112 Section 2(3) directs Federal agencies to not authorize, fund, or carry out actions that it believes are likely to cause or promote the introduction or spread of invasive species in the U.S. or elsewhere and to ensure that all feasible and prudent measures to minimize risk of harm will be taken in conjunction with other actions. Proactive measures to prevent the inadvertent spread of exotic and invasive species would appear to satisfy this directive. Therefore we recommend the implementation of the following BMP as a permit condition.

All equipment brought on site will be thoroughly washed to remove dirt, seeds, and plant parts. Any equipment that has been in any body of water within the past 30 days will be thoroughly cleaned with hot water greater than 140° F (typically the temperature found at commercial car washes) and dried for a minimum of five days before being used at this project site. In addition, before transporting equipment from the project site all visible mud, plants and fish and animal parts will be removed, all water will be eliminated, and the equipment will be thoroughly cleaned. Anything that came in contact with water will be cleaned and dried following this procedure.

Thank you for this opportunity to provide input on your proposal. Please contact this office again if you have additional comments or questions.

Sincerely,



Michael J. LeValley  
Field Supervisor

cc: KDWP, Pratt, KS (Environmental Services)

# The University of Kansas

Kansas Biological Survey

Mary Lou Marino  
Development Director  
Office of Research and Sponsored Programs  
102 Fairchild Hall  
Kansas State University  
Manhattan, KS 66506

December 6, 2007

RE: National Bio and Agro-Defense Facility

Dear Ms. Marino;

I have conducted a review of available information about the proposed site of the National Bio and Agro-Defense Facility at Kansas State University and have assessed the potential impacts to rare species and natural communities. No protected or rare plant or animal species are known to occur at the project site or within a one-mile radius of the site.

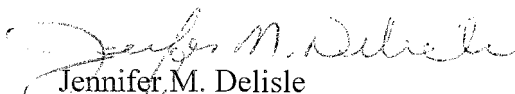
According to a vegetation survey conducted by Dr. Gene Towne on November 27, 2007, the site contains buildings, pens, and animal holding areas. The vegetation comprises non-native species and weedy native annuals. The wooded area east of Serum Plant Road comprises early-successional native and non-native woody species with an understory of non-native and weedy native species. No native natural areas or sensitive communities were documented on the site.

No permanent, standing water or riparian plant communities occur on the site. The Kansas River is approximately 2 miles southeast of the proposed project site. This reach of the river is designated as critical habitat for the Least tern (*Sterna antillarum*), Piping plover (*Charadrius melodus*), and Sturgeon chub (*Macrhybopsis gelida*). The proposed project is not likely to impact these species. The site does fall within an area designated as critical habitat for the Bald eagle (*Haliaeetus leucocephalus*). Please contact the Kansas Dept. of Wildlife and Parks (KDWP) to discuss the project's potential impacts to this species.

A list of protected and sensitive species known or likely to occur in Riley County can be downloaded from the KDWP web site at <http://www.kdwp.state.ks.us/news/content/pdf//7027>. The site does not appear to contain habitat suitable for any species listed as threatened or endangered, and it does not appear to contain habitat suitable for any Species in Need of Conservation (SINC).

Please feel free to call me at 785-864-1538 if I can be of further assistance.

Sincerely,

  
Jennifer M. Delisle  
Information Manager  
Kansas Natural Heritage Inventory





WILDLIFE TECHNICAL SERVICES, INC.

April 20, 2007

Ms. Kathy Lunceford  
United States Fish and Wildlife Services  
Jackson Field Office  
6578 Dogwood View Parkway, Suite A  
Jackson, Mississippi 39213

RE: **Flora Property**  
**Madison County, Mississippi**  
**Phase I Environmental Assessment**

Dear Ms. Lunceford:

Our firm is presently preparing a Phase I Environmental Assessment for the above referenced parcel of land located in Section 5, Township 18 North, Range 1 West, Madison County, Mississippi. The exact location of the property is shown on the attached U.S.G.S. Flora, Mississippi Quadrangle Map. This assessment is in anticipation of an industrial development site.

We respectfully request that your office review the location of the project site for issues of concern to your agency, particularly any issues relative to threatened and/or endangered plant and animal species, and that a written reply be forwarded to us with your comments and/or instructions regarding these issues.

If you require additional information regarding the project extent or the geographic areas, please feel free to call.

Sincerely,

Lisa Tillotson  
Projects Manager

/lct  
Encl.

RECEIVED

APR 24 2007



By MS Field Office WILDLIFE TECHNICAL SERVICES, INC.

April 20, 2007

Ms. Kathy Lunceford  
United States Fish and Wildlife Services  
Jackson Field Office  
6578 Dogwood View Parkway, Suite A  
Jackson, Mississippi 39213

RE: **Flora Property**  
**Madison County, Mississippi**  
**Phase I Environmental Assessment**

Dear Ms. Lunceford:

Our firm is presently preparing a Phase I Environmental Assessment for the above referenced parcel of land located in Section 5, Township 18 North, Range 1 West, Madison County, Mississippi. The exact location of the property is shown on the attached U.S.G.S. Flora, Mississippi Quadrangle Map. This assessment is in anticipation of an industrial development site.

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If you require additional information regarding the project extent or the geographic areas, please feel free to call.

Sincerely,

Lisa Tillotson  
Projects Manager

No federally listed endangered,  
threatened or candidate species present

Site may contain wetlands. Contact  
Corps of Engineers for necessary permits.  
(telephone) /lct 601-631-5289

Encl.  
  
Miss. Environmental Coordinator  
U.S. Fish and Wildlife Service

07-494

4/27/07 Date 601/634-0097 • P.O. BOX 820188, VICKSBURG, MISSISSIPPI 39182-0188



**DIAL CORDY**  
**AND ASSOCIATES INC**  
*Environmental Consultants*

7 April 2008

USFWS Long Island Field Office  
Attn: Steve Papa  
3 Old Barto Road  
Brookhaven, NY 11719

Dear Mr. Papa:

On behalf of the Department of Homeland Security (DHS), I am requesting informal consultation with the US Fish and Wildlife Service regarding the proposed construction of the National Bio and Agro-Defense Facility (NBAF). DHS is currently preparing a Draft Environmental Impact Statement (DEIS) that will assess the environmental consequences resulting from the site selection, construction, and operation of the proposed NBAF. The NBAF would be used to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases. Project alternatives include six locations in Athens, Georgia; Butner, North Carolina; Flora, Mississippi; Manhattan, Kansas; Plum Island, New York; and San Antonio, Texas. I am requesting informal consultation with the Long Island Field Office regarding the Plum Island, New York site alternative.

To assist with the preparation of the DEIS, DHS is requesting that the US Fish and Wildlife Service evaluate the subject property for potential conflicts with federally listed species and/or critical habitat that may occur in the area. A copy of the forthcoming DEIS will be provided to the Long Island Field Office for additional project review and comment. The attachments to this letter include a description of the project, descriptions of project area habitats, and maps showing the location of the site. DHS appreciates your assistance with this project.

Sincerely,

Rahlff Ingle  
Senior Ecologist  
Dial Cordy & Associates Inc.



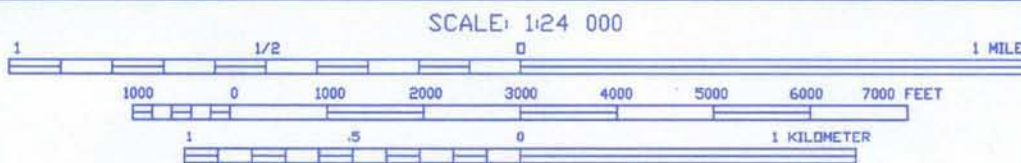
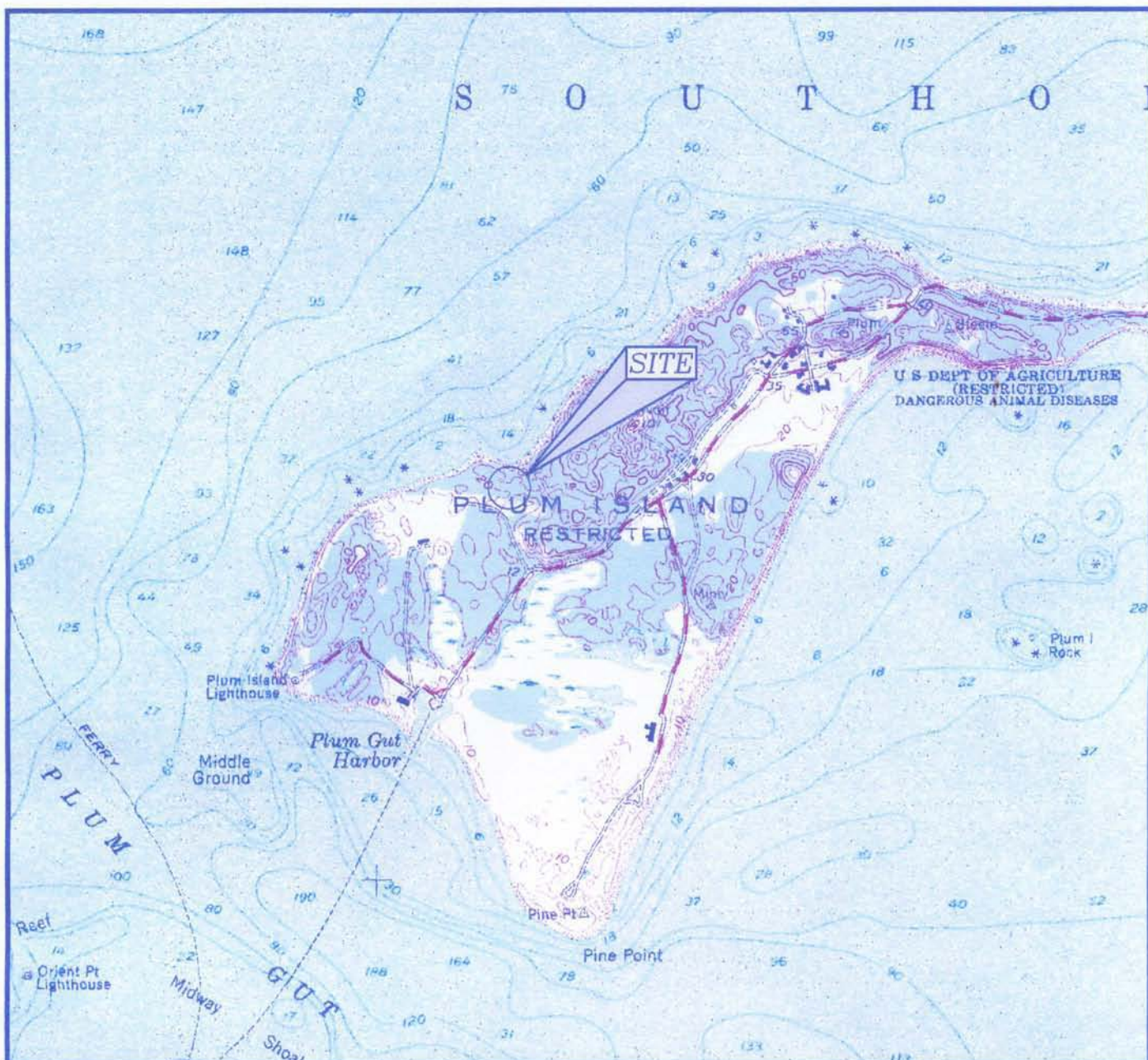
## **NATIONAL BIO AND AGRO-DEFENSE FACILITY PLUM ISLAND, SUFFOLK COUNTY, NEW YORK**

### **PROJECT DESCRIPTION**

In response to US Department of Homeland Security (DHS), US Department of Agriculture (USDA), Agricultural Research Service (ARS), and Animal & Plant Health Inspection Service (APHIS) mission requirements, the DHS has proposed the construction and operation of the National Bio and Agro-Defense Facility (NBAF). The NBAF would be an approximately 500,000–520,000 square foot facility designed and operated to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases (diseases transmitted from animals to humans). The NBAF would provide the necessary biological safety and biocontainment infrastructure for 250-350 scientists and support staff to research and develop diagnostics for, and countermeasures to, high-consequence biological threats involving foreign animal and zoonotic diseases. DHS anticipates that the facility would focus on foot and mouth disease, classical swine fever, African swine fever, Rift Valley fever, Nipah virus, Hendra virus, contagious bovine pleuropneumonia, and Japanese encephalitis.

### **PLUM ISLAND SITE DESCRIPTION**

The project area is a 24-acre tract of land on Plum Island in Suffolk County, New York. The project area is immediately east of the existing Plum Island Animal Disease Center and approximately 300 feet southeast of the western Plum Island shoreline. A substantial portion of the project area consists of severely disturbed lands that have been impacted by road construction, sand mining, and other past clearing/earth disturbing activities. The sand mine and other cleared areas are either devoid of vegetation or contain a sparse to moderately dense coverage of weedy herbaceous species such as woolly mullein (*Verbascum thapsus*), broom-sedge (*Andropogon virginicus*), seaside goldenrod (*Solidago sempervirens*), crown vetch (*Coronilla varia*), and pokeweed (*Phytolacca americana*). Remaining portions of the project area contain a dense shrub-scrub stratum comprised of native and non-native woody plants. Typical native species include eastern red cedar (*Juniperus virginiana*), bayberry (*Myrica pennsylvanica*), sassafras (*Sassafras albidum*), winged sumac (*Rhus copallinum*), white oak (*Quercus alba*), black cherry (*Prunus serotina*), black berry (*Rubus allgheniensis*), and poison ivy (*Toxicodendron radicans*). Non-native species include Norway maple (*Acer platanoides*), mutliflora rose (*Rosa multiflora*), Tartarian honeysuckle (*Lonicera tatarica*), and Japanese honeysuckle (*L. japonica*).



CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

PROJECT: NATIONAL BIO AND AGRO-DEFENSE FACILITY  
PLUM ISLAND  
SOUTHOLD, NEW YORK

PROJECT NO. J2077369

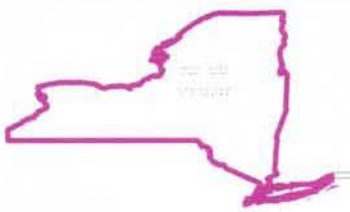
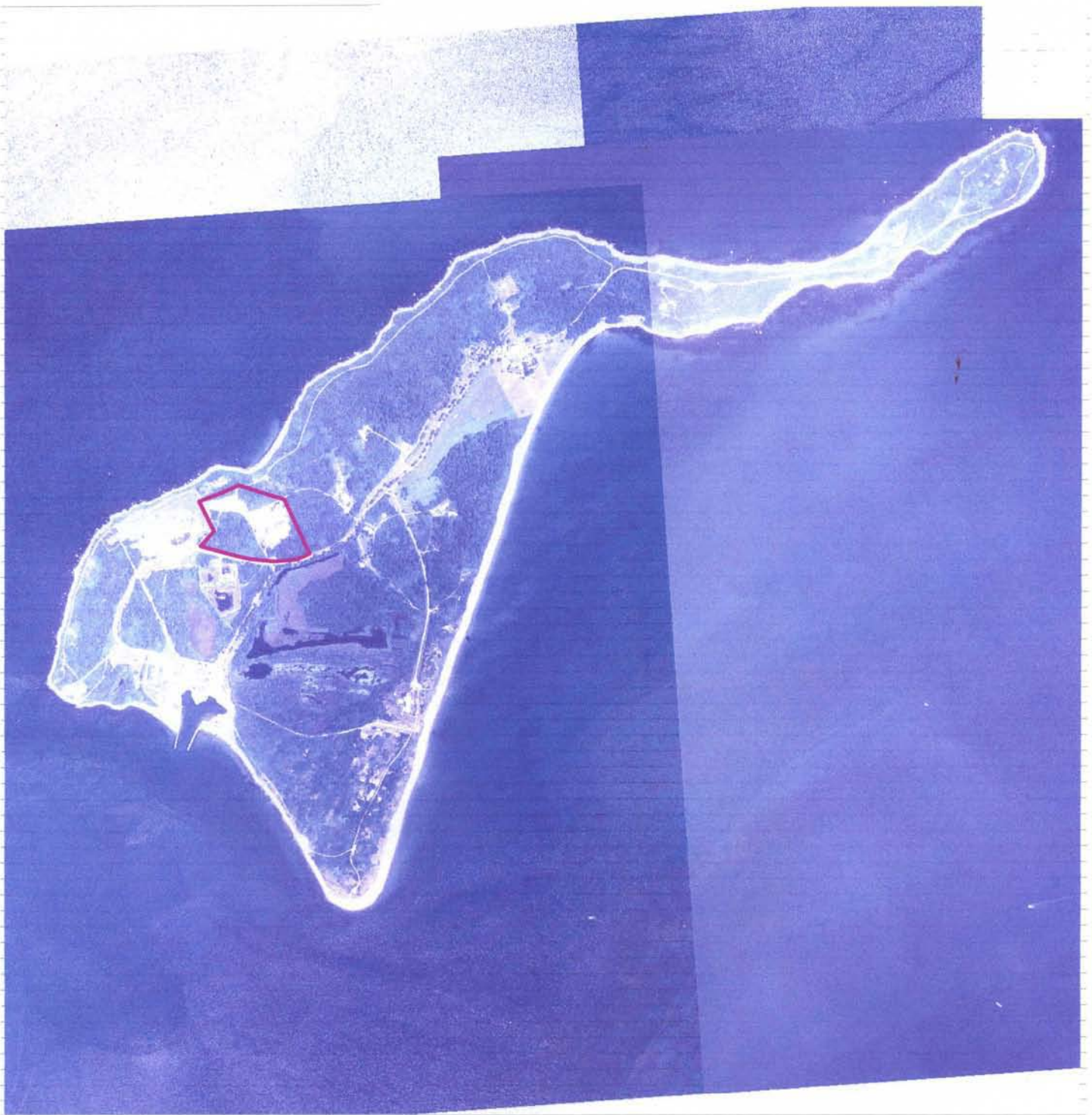
DATE: NOVEMBER 2007

SOURCE: PLUM ISLAND, N.Y.-CONN.  
USGS QUAD 1953

FIGURE 1  
TOPOGRAPHIC  
MAP

**Terracon**





This document contains information that is  
 classified as "Secret" under Executive Order 12958, Section 1.4.  
 It is to be controlled, stored, handled, transmitted, and disposed of  
 in accordance with the provisions of that order.

SECRET



Department of  
**Homeland  
 Security**





# United States Department of the Interior

OFFICE OF THE SECRETARY  
Washington, D.C. 20240

**AUG 20 2008**

In Reply Refer To:  
ER 08/670

U.S. Department of Homeland Security  
Attn: Mr. James V. Johnson  
Mail Stop #2100  
245 Murray Lane, SW, Building 410  
Washington, DC 20528

Dear Mr. Johnson:

The Department of the Interior has reviewed the Department of Homeland Security's (DHS) Draft Environmental Impact Statement (EIS) for the National Bio and Agro-Defense Facility. The Fish and Wildlife Service's (FWS) Long Island Field Office (LIFO) has reviewed the National Bio and Agro-Defense Facility (NBAF) Draft EIS as it relates to alternatives concerning the Plum Island Animal Disease Center (PIADC), Plum Island, New York. The Department's comments are provided below concerning federally listed species and migratory birds.

As described in the executive summary of this Draft EIS, the DHS has proposed to augment the United States' existing research capabilities through construction and operation of a biosafety level (BSL)-3 and BSL-4 National Bio and Agro-Defense Facility at one of six alternative sites. The Draft EIS has not identified a preferred alternative at this time, but examined the construction and operation of a BSL-3 and BSL-4 facility on Plum Island. The exact dimensions and scale of the project were not specifically identified in the Draft EIS at this time other than to state that it would be located in a 24-acre project boundary.

Plum Island is an 840-acre island located about 12 miles southwest of New London, Connecticut, and 1.5 miles from the northeast tip of Long Island, New York. It is government-owned and is currently the site of the PIADC. The proposed construction area for the NBAF is an approximately 24 acre site directly east of the PIADC, which is on the western shore of the island. The Draft EIS has identified the proposed project

boundary as consisting of existing disturbed lands, but land cover maps provided in the Draft EIS describe it as a mix of deciduous forest, woody wetlands, barren lands (rock, clay, sand), and grasslands and herbaceous cover.

### **Endangered Species Act Comments**

The DHS is consulting with the LIFO pursuant to the Endangered Species Act of 1973, as amended (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) regarding the potential impacts of the proposed project on federally listed species. The DHS has indicated that the proposed upgrades at the PIADC would have no adverse effects on the federally listed piping plover (*Charadrius melodus*), roseate tern (*Sterna dougallii dougallii*), sandplain gerardia (*Agalinus acuta*), and seabeach amaranth (*Amaranthus pumilus*). Based on the proposed construction site and operational activities of the NBAF, no further consultation with the FWS is necessary. The FWS will continue to coordinate with DHS personnel on continuing existing surveys for endangered species which are undertaken by the FWS in cooperation with Audubon New York on Plum Island.

### **Migratory Bird Comments**

As mentioned in the Draft EIS, Plum Island is located in an Audubon Important Bird Area, providing breeding, wintering, and migratory stopover habitat for a number of species protected under the Migratory Bird Treaty Act of 1918 (40 Stat. 755; 16 U.S.C. 703 et seq.). Plum Island is also included in the Orient Point - Islands Complex which is a FWS-identified Significant Coastal Habitat. As such, we recommend that the DHS clarify the information contained in Figure 3.2.2.1.1-1 which depicts the existing land cover in the proposed project boundary showing several different land covers (mentioned above) with statements in the Draft EIS that the project boundary contains disturbed barren lands. Clarification of this would assist us in providing additional comments on potential impacts to migratory and resident bird species and their habitats. Further, at such time when the DHS develops site-specific project plans related to the design of the NBAF building and ancillary structures, the FWS requests further coordination to explore measures to reduce the potential for avian collisions with these structures.

Thank you for the opportunity to comment on the Draft EIS. We hope that our comments are useful. If you have any questions or require further assistance with these comments, please contact Steve Papa of the Long Island Field Office at (631) 776-1401. For all

other inquiries, please contact Ken Havran of the Department's Office of Environmental Policy and Compliance at (202) 208-7116.

Sincerely,

A handwritten signature in black ink, appearing to read "Willie R. Taylor". The signature is fluid and cursive, with the first name "Willie" being the most prominent part.

Willie R. Taylor

Director

Office of Environmental Policy  
and Compliance





**DIAL CORDY**  
**AND ASSOCIATES INC**  
*Environmental Consultants*

7 April 2008

USFWS Raleigh Field Office  
Attn: Pete Benjamin  
551-F Pylon Drive  
Raleigh, NC 27636

Dear Mr. Benjamin:

On behalf of the Department of Homeland Security (DHS), I am requesting informal consultation with the US Fish and Wildlife Service regarding the proposed construction of the National Bio and Agro-Defense Facility (NBAF). DHS is currently preparing a Draft Environmental Impact Statement (DEIS) that will assess the environmental consequences resulting from the site selection, construction, and operation of the proposed NBAF. The NBAF would be used to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases. Project alternatives include six locations in Athens, Georgia; Butner, North Carolina; Flora, Mississippi; Manhattan, Kansas; Plum Island, New York; and San Antonio, Texas. I am requesting informal consultation with the Raleigh Field Office regarding the Butner, North Carolina site alternative.

To assist with the preparation of the DEIS, please evaluate the subject property for potential conflicts with federally listed species and/or critical habitat that may occur in the area. A copy of the forthcoming DEIS will be provided to the Raleigh Field Office for additional project review and comment. The attachments to this letter include a description of the project, descriptions of project area habitats, and maps showing the location of the project area. I appreciate your assistance with this project.

Sincerely,

Rahlff Ingle  
Senior Ecologist  
Dial Cordy & Associate Inc.

## **NATIONAL BIO AND AGRO-DEFENSE FACILITY BUTNER, GRANVILLE COUNTY, NORTH CAROLINA**

### **PROJECT DESCRIPTION**

In response to US Department of Homeland Security (DHS), US Department of Agriculture (USDA), Agricultural Research Service (ARS), and Animal & Plant Health Inspection Service (APHIS) mission requirements, DHS has proposed the construction and operation of the National Bio and Agro-Defense Facility (NBAF). The NBAF would be an approximately 500,000-520,000 square foot facility designed and operated to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases (diseases transmitted from animals to humans). The NBAF would provide the necessary biological safety and biocontainment infrastructure for 250-350 scientists and support staff to research and develop diagnostics for, and countermeasures to, high-consequence biological threats involving foreign animal and zoonotic diseases. The DHS anticipates that the facility would focus on foot and mouth disease, classical swine fever, African swine fever, Rift Valley fever, Nipah virus, Hendra virus, contagious bovine pleuropneumonia, and Japanese encephalitis.

### **BUTNER SITE DESCRIPTION**

The Butner site is a 250-acre tract of undeveloped woodland within the Umstead Research Farm property in Butner, Granville County, North Carolina. The site is located approximately 0.7 mile north of the Old Highway 75 (SR 1004)/Veasey Drive (SR 1120) intersection. The site is currently owned by North Carolina State University, which manages the property as part of the North Carolina Department of Agriculture Umstead Research Farm facility. Approximately 90% of the site is recovering from a recent (2001) clear-cut timber harvest. The clear-cut areas are currently dominated by very dense thickets of early successional shrub-scrub vegetation. The shrub-scrub community is characterized by a very dense sapling/shrub stratum that is dominated by weedy mesic hardwood saplings such as sweet-gum (*Liquidambar styraciflua*), yellow poplar (*Liriodendron tulipifera*), and red maple (*Acer rubrum*). Additional saplings and shrubs include loblolly pine (*Pinus taeda*), winged-elm (*Ulmus alata*), persimmon (*Diospyros virginiana*), eastern red cedar (*Juniperus virginiana*), winged sumac (*Rhus copallina*), groundsel tree (*Baccharis halimifolia*), and blackberry (*Rubus* sp.). Weedy herbaceous species have colonized logging roads and other small areas where soils were severely disturbed by logging operations. A small area of mature hardwood forest occurs near the northeastern boundary of the site. This community is a closed-canopy, mesic to dry-mesic community with an overstory dominated by southern red oak (*Quercus falcata*), white oak (*Q. alba*), sweet-gum, yellow poplar, southern sugar maple (*Acer floridanum*), and loblolly pine.

The Butner site contains numerous small intermittent and perennial headwater stream segments, all of which originate within the boundaries of the site. All of these streams drain either directly or via other tributaries to Knap of Reeds Creek. The clear-cut areas contain numerous small natural wetland seeps, which occur at the upper ends of streams and at the base of the slope along streams. These seepage areas are dominated primarily by hydrophytic herbaceous species such as common rush (*Juncus effusus*), hop sedge (*Carex lupulina*), false nettle (*Boehmeria cylindrica*), spotted touch-me-not (*Impatiens capensis*), and netted chain-fern (*Woodwardia areolata*). These seeps also contain occasional flood-tolerant trees such as red maple and sweet-gum.



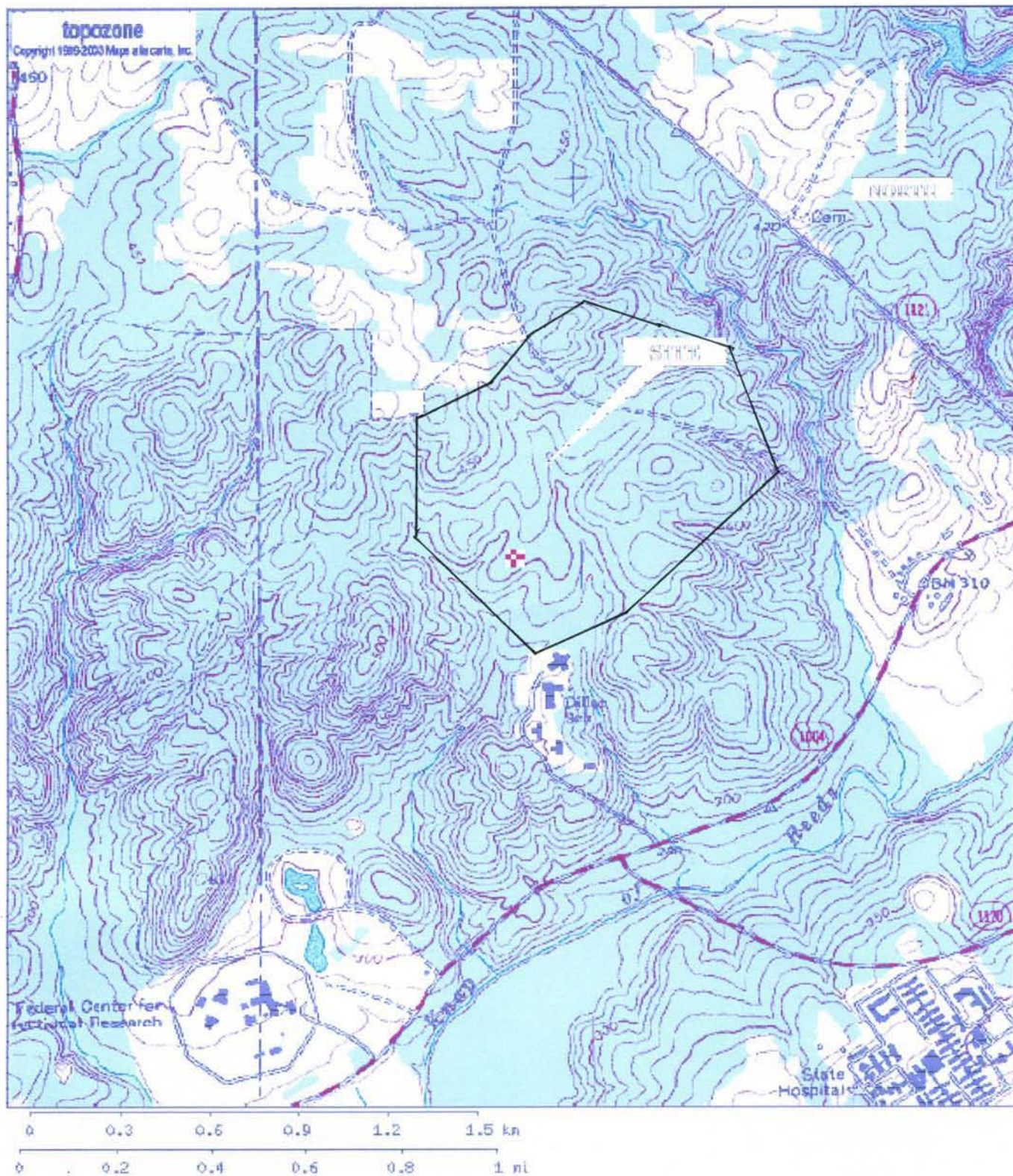


Diagram is for general location only

**Terracon**

Butner, Granville County, NC

topozone, Lake Michie, NC

DATE: 01/10/01

PROJECT:

DRAWN: SJK

CHECK: LCH





**From:** Layton Bedsole [lbedsole@dialcordy.com]  
**Sent:** Friday, October 31, 2008 1:17 PM  
**To:** lswain@dialcordy.com  
**Subject:** FW: DHS Facility Butner

-----Original Message-----

From: Dale\_Suiter@fws.gov [mailto:Dale\_Suiter@fws.gov]  
Sent: Wednesday, October 22, 2008 2:45 PM  
To: lbedsole@dialcordy.com  
Subject: DHS Facility Butner

This email is in response to your April 7, 2008 letter regarding the proposed Department of Homeland Security Natinoal Bio and Agro-Defense Facility in Butner, Granville County, NC. This email provides the U.S. Fish and Wildlife Service's (Service) response pursuant to section 7 of the Endangered Species Act, as amended (16 U.S.C. 1531 et seq.) (Act).

Based on the information provided, the Service recommends that surveys for the federally protected smooth coneflower (*Echinacea laevigata*) be conducted on the subject property. Our records indicate that this species is known from within two miles of the subject site, and considering that the site was recently logged, it may contain habitat for the smooth coneflower. Surveys for smooth coneflower should be conducted by a qualified biologist during May or June when the plants are flowering and readily identifiable. If your surveys indicate that smooth coneflower does not occur on the subject property, you may make a "no effect" determination and proceed with your project. However, if smooth coneflower or any other federally protected species is found, then you should contact our office for additional information.

Thank you for the opportunity to review this project. Please contact me if you have any questions regarding this response.

Dale Suiter  
Endangered Species Biologist  
U.S. Fish and Wildlife Service  
P.O. Box 33726  
Raleigh, NC 27636-3726

phone - 919-856-4520 ext. 18  
fax - 919-856-4556  
email - Dale\_Suiter@fws.gov





**DIAL CORDY**  
**AND ASSOCIATES INC**  
*Environmental Consultants*

7 April 2008

USFWS Austin Field Office  
Attn: Robert Pine  
Compass Bank Building  
10711 Burnet Rd, Suite 200  
Austin, TX 78758

Dear Mr. Pine:

On behalf of the Department of Homeland Security (DHS), I am requesting informal consultation with the US Fish and Wildlife Service regarding the proposed construction of the National Bio and Agro-Defense Facility (NBAF). DHS is currently preparing a Draft Environmental Impact Statement (DEIS) that will assess the environmental consequences resulting from the site selection, construction, and operation of the proposed NBAF. The NBAF would be used to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases. Project alternatives include six locations in Athens, Georgia; Butner, North Carolina; Flora, Mississippi; Manhattan, Kansas; Plum Island, New York; and San Antonio, Texas. I am requesting informal consultation with the Austin Field Office regarding the San Antonio, Texas site alternative.

To assist with the preparation of the DEIS, please evaluate the subject property for potential conflicts with federally listed species and/or critical habitat that may occur in the area. A copy of the forthcoming DEIS will be provided to the Austin Field Office for additional project review and comment. The attachments to this letter include a description of the project, descriptions of project area habitats, and maps showing the location of the site. I appreciate your assistance with this project.

Sincerely,

Rahlff Ingle  
Senior Ecologist  
Dial Cordy & Associates Inc.



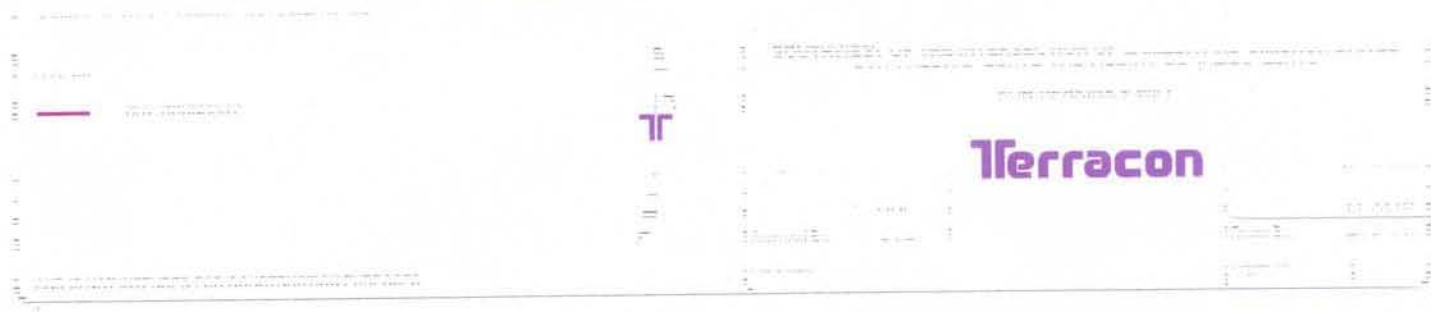
## **NATIONAL BIO AND AGRO-DEFENSE FACILITY SAN ANTONIO, BEXAR AND MEDINA COUNTIES, TEXAS**

### **PROJECT DESCRIPTION**

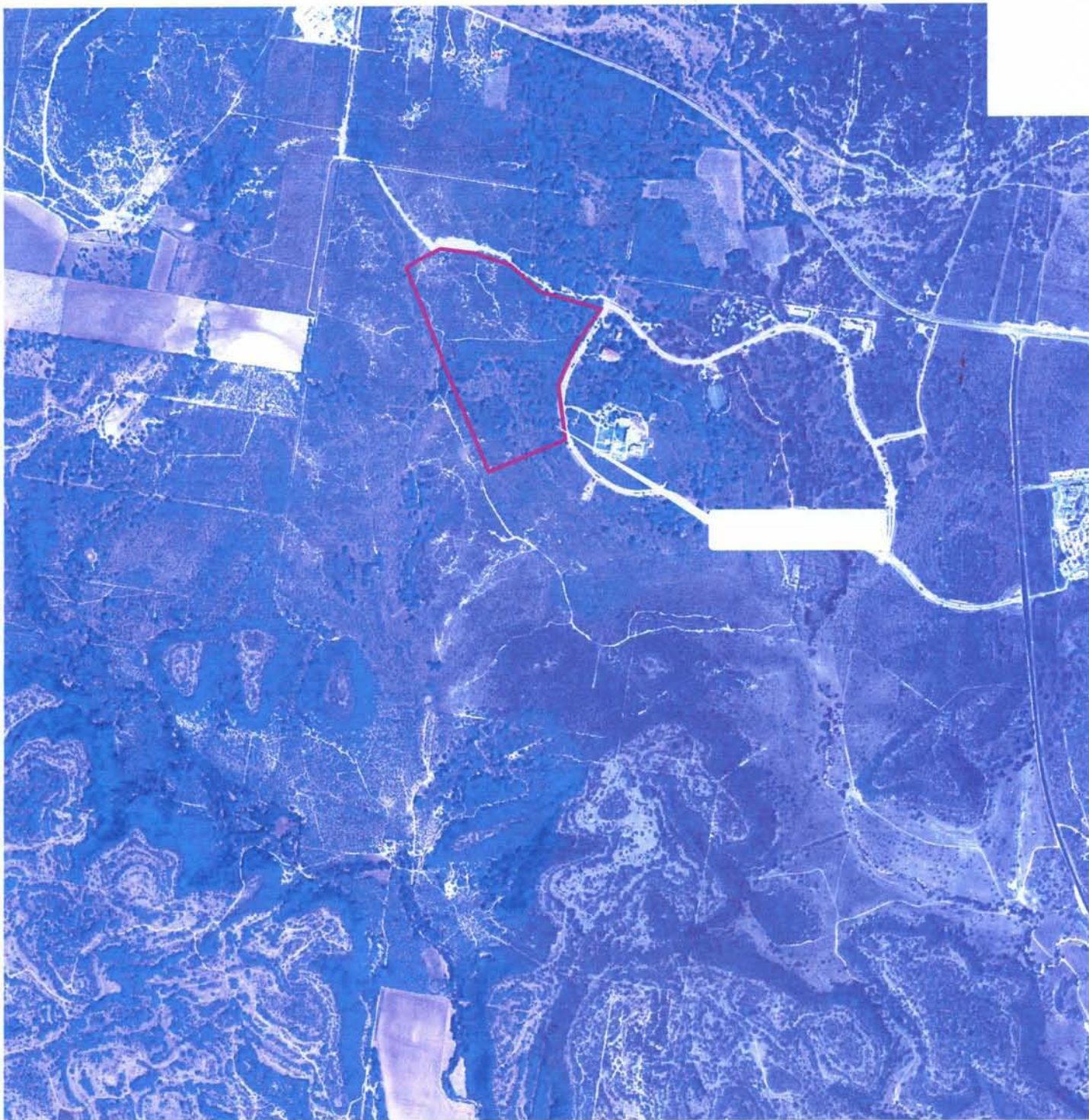
In response to US Department of Homeland Security (DHS), US Department of Agriculture (USDA), Agricultural Research Service (ARS), and Animal & Plant Health Inspection Service (APHIS) mission requirements, the DHS has proposed the construction and operation of the National Bio and Agro-Defense Facility (NBAF). The NBAF would be an approximately 500,000–520,000 square foot facility designed and operated to study diseases categorized as foreign animal diseases (FAD) and zoonotic diseases. The NBAF would provide the necessary biological safety and biocontainment infrastructure for 250-350 scientists and support staff to research and develop diagnostics for, and countermeasures to, high-consequence biological threats involving foreign animal and zoonotic diseases. DHS anticipates that the facility would focus on foot and mouth disease, classical swine fever, African swine fever, Rift Valley fever, Nipah virus, Hendra virus, contagious bovine pleuropneumonia, and Japanese encephalitis.

### **SAN ANTONIO SITE DESCRIPTION**

The San Antonio site is a 100-acre tract of undeveloped land within the Texas Research Park (TRP) in Bexar and Medina Counties, Texas. The site is located immediately west of Lambda Drive and approximately 0.8 mile south of State Highway 211. Vegetation on the property is characterized by scrubby and sparse woody vegetation intermixed with areas that are dominated by herbaceous species. Texas Parks and Wildlife has mapped vegetation on the property as Mesquite-Live Oak-Bluewood Parks. The eastern and southern portions of the property contain plant communities that are representative of this vegetation type. These portions of the property are characterized by live oak mottes with little to moderate understory. Live oak trees occur primarily in large patches that are separated by grass-dominated breaks. Additional woody species that are present in both the understory and canopy of the mottes include mesquite (*Prosopis glandulosa*), bluewood (*Condalia hookeri*), Texas mountain laurel (*Sophora secundiflora*), and Texas persimmon (*Diospyros texana*). Additional common understory species that are associated with the mottes include Texas kidneywood (*Eysenhardtia texana*), prickly pear (*Opuntia lindheimeri*), and Arkansas yucca (*Yucca arkansana*). Species that are common in the grass-dominated openings include Johnsongrass (*Sorghum halepense*), bristlegass (*Setaria* sp.), Bermudagrass (*Cynodon dactylon*), sideoats grama (*Bouteloua curtipendula*), straggler's daisy (*Calyptracarpus vialis*), pricklypear, Arkansas yucca, and toothleaf goldeneye (*Viguiera dentate*). The western and central portions of the property contain many of the same species; however, woody vegetation is very scrubby and herbaceous species are dominant. Scattered trees consist primarily of mesquite, Texas mountain laurel, and Texas persimmon.







Homeland  
Security



## **Section 106 of the National Historic Preservation Act**

<b>Section 106 of the National Historic Preservation Act</b>			
	<b>Consultation Initiated</b>	<b>Supplemental Contact</b>	<b>Agency Response</b>
<b>South Milledge Avenue Site Alternative</b>	December 14, 2007	Letter on behalf of DHS to Georgia Department of Natural Resources, Historic Preservation Division on April 8, 2008	December 26, 2007 July 11, 2008 August 18, 2008
<b>Manhattan Campus Site Alternative</b>	November 21, 2007		November 28, 2007
<b>Flora Industrial Park Site Alternative</b>	April 20, 2007		May 23, 2007 November 27, 2007 July 30, 2008
<b>Plum Island Site Alternative</b>	October 22, 2008		pending
<b>Umstead Research Park Site Alternative</b>	August 9, 2007		November 19, 2007 January 17, 2008 August 22, 2008
<b>Texas Research Park Site Alternative</b>	January 18, 2008		February 4, 2008 July 16, 2008



# DIAL CORDY AND ASSOCIATES INC

*Environmental Consultants*

April 8, 2008

Elizabeth C. Shirk  
Environmental Review Coordinator  
Georgia Department of Natural Resources  
Historic Preservation Division  
34 Peachtree Street, N.W., Suite 1600  
Atlanta, GA 30303

RE: Proposed National Bio- and Agro- Defense Facility, Clarke County, Georgia  
TA-071217-015

Dear Ms. Shirk:

On behalf of our client, the Department of Homeland Security, Dial Cordy and Associates Inc. is pleased to formally request a Section 106 review for the proposed National Bio- and Agro- Defense Facility site in Clarke County, Georgia. In your December 26, 2007 letter to Mr. Scott Messer, you stated the opinion that the archaeological report entitled "Phase I Archeological Survey of the Proposed National Bio- and Agro- Defense Facility, Clarke County, Georgia," which was prepared and submitted by Southeastern Archeological Services, would meet the compliance requirements for documentation with NHPA.

You also requested the report be submitted for formal review and comment, prior to implementation of the project, so that your office is afforded the opportunity to comment on potential effects to historic properties. We are attaching a copy of the archeological survey report and a conceptual footprint of the proposed project with this request. A brief project description is given in the introduction of the archeological report.

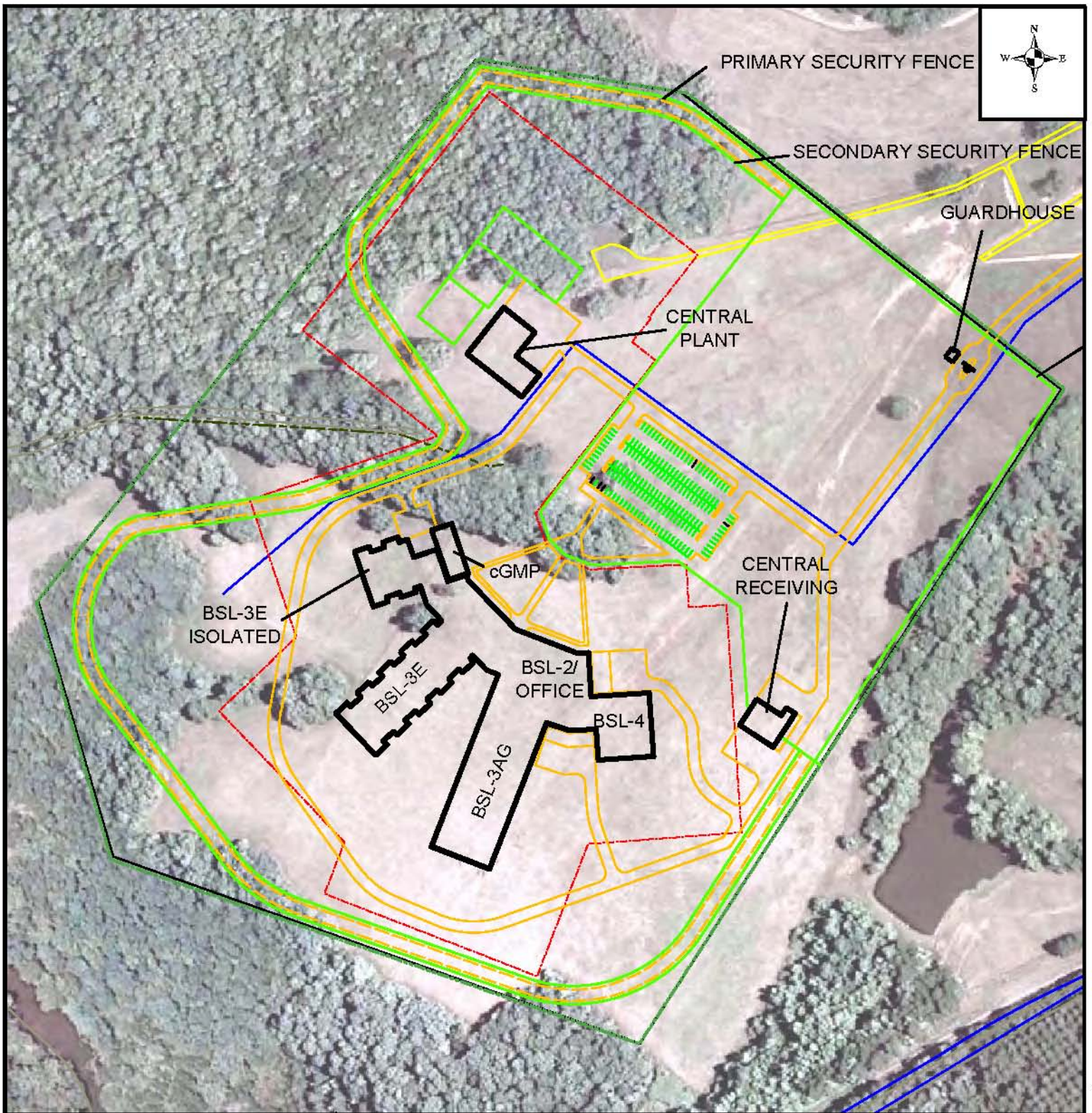
Should you need additional information, please do not hesitate to call me at (910) 251-9790 or email me at [jcoward@dialcordy.com](mailto:jcoward@dialcordy.com). Thank you for your consideration.

Sincerely,  
**Dial Cordy and Associates Inc.**

Jeffrey T. Coward  
Natural Resource Specialist

J07-1039





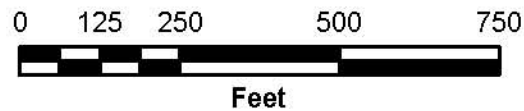
### Project Location



GEORGIA

Source: NAIP 2007

National Bio and Agro-Defense  
Facility Environmental Impact  
Statement (NBAF EIS)



### South Milledge Avenue Site Conceptual Design



**Homeland  
Security**

**Date:  
02/08**





SOUTHEASTERN ARCHEOLOGICAL SERVICES, INC.

December 14, 2007

Mr. Robert Entorf  
Georgia Department of Natural Resources  
Historic Preservation Division  
34 Peachtree NW  
Atlanta, GA 30303

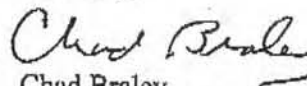
RE: Review of Archeological Report

Hi Bob:

Enclosed is a copy of the survey report we conducted for the University of Georgia. As we discussed over the phone, the University is an alternative location for the Bio- and Agro-Defense Facility, which will be under the control of the Department of Homeland Security. At some point Section 106 will apply, but maybe not at present.

Nonetheless, UGA would like to have some sort of review and a compliance letter by the end of the month (what holiday season?). Can you write something that says the report meets the guidelines for GEPA or Section 106?

Sincerely,

  
Chad Braley  
Vice President




## OFFICE OF PLANNING AND BUDGET

**Sonny Perdue**  
Governor

**Trey Childress**  
Director

### GEORGIA STATE CLEARINGHOUSE MEMORANDUM EXECUTIVE ORDER 12372 REVIEW PROCESS

TO: James Johnson  
U. S. Dept. of Homeland Security  
Mail Stop #2100  
245 Murray Lane SW, Bldg 410  
Washington, DC 20528

FROM: Barbara Jackson   
Georgia State Clearinghouse

DATE: 8/18/2008

SUBJECT: Executive Order 12372 Review

PROJECT: NBAF DEIS: Construction and Operation of the National Bio and Agro-Defense Facility (to be located at one of 6 tentative site alternatives - South Milledge Avenue, Athens, GA)

STATE ID: GA080627018

The applicant/sponsor is advised that GA Dept. of Agriculture-Animal Industry Division and DNR's Environmental Protection Division was included in this review but did not comment within the review period. Should they submit comments within the next two weeks, we will forward to you.

The applicant/sponsor is advised to note important comments from Northeast Georgia RDC; also comments from Georgia DOT's Office of Transportation Planning and DNR's Historic Preservation Division.

/bj

Enc.: Northeast Georgia RDC, July 17, 2008  
HS, July 2, 2008  
DOT, July 15, 2008  
HPD, July 16, 2008

Form NCC  
January 2004



# Georgia Department of Natural Resources

Noel Holcomb, Commissioner

## Historic Preservation Division

W. Ray Luce, Division Director and Deputy State Historic Preservation Officer  
34 Peachtree Street, Suite 1600, Atlanta, Georgia, 30303  
Telephone (404) 656-2840 Fax (404) 657-1040 <http://www.gashpo.org>

### MEMORANDUM

TO: Barbara Jackson  
Georgia State Clearinghouse  
Office of Planning and Budget  
270 Washington Street, SW, Eighth Floor  
Atlanta, Georgia 30334

FROM: Elizabeth Shirk *es*  
Environmental Review Coordinator  
Historic Preservation Division

RE: Results of Project Review

**Applicant: U.S. Department of Homeland Security**

**Project: Construct National Bio & Agro Defense Facility, South Milledge Ave., Athens**

**Control Number: GA-080627-018 (reference HP-080411-002)**

**County: Dooly**

**Agency: U.S. Department of Homeland Security**

DATE: July 11, 2008

The Historic Preservation Division (HPD) has received information concerning this undertaking directly from the project applicant, in accordance with review under Section 106 of the National Historic Preservation Act for the US Department of Homeland Security (DHS). DHS has completed the Section 106 review and compliance process, ending in a no historic properties affected letter signed by this office on May 7, 2008. All HPD review comments concerning this undertaking have been submitted directly to the DHS. Therefore, review and compliance under Section 106 has been satisfied for all federal agencies involved.

ES:jph

cc: Burke Walker, Northeast Georgia RDC  
David Reese, DHS

RECEIVED

JUL 16 2008

GEORGIA  
STATE CLEARINGHOUSE

## Georgia Department of Natural Resources

Noel Holcomb, Commissioner

### Historic Preservation Division

W. Ray Luce, Division Director and Deputy State Historic Preservation Officer  
34 Peachtree Street, N.W., Suite 1800, Atlanta, Georgia 30303  
Telephone (404) 656-2840 Fax (404) 657-1040 <http://www.gashpo.org>

December 26, 2007

Scott Messer  
Office of the University Architects  
382 E. Broad Street  
Athens, Georgia 30602

**RE: Proposed National Bio- and Agro-Defense Facility  
Clarke County, Georgia  
TA-071217-015**

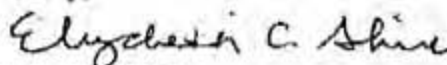
Dear Mr. Messer:

The Historic Preservation Division (HPD) has received a documentation regarding the above referenced project. The following comment is provided as technical assistance to assist The University of Georgia (UGA) in planning for compliance with the Georgia Environmental Policy Act (GEPA) and Section 106 of the National Historic Preservation Act (NHPA) is required.

Based on the information contained in the survey report entitled "Phase I Archeological Survey of the Proposed National Bio- and Agro-Defense Facility, Clarke County, Georgia" prepared by Southeastern Archeological Services, Inc. for UGA, it is our opinion that the report meets the archaeological survey requirements for documentation for compliance with GEPA and NHPA. Please note that the survey report should be submitted for formal review and comment prior to implementation of the project to afford HPD the opportunity to comment on effects to historic properties located in the project's area of potential effects.

If we may be of further assistance, please contact me at (404) 651-6624.

Sincerely,



Elizabeth C. Shirk  
Environmental Review Coordinator

cc: Burke Walker, Northeast Georgia RDC  
Chad Braley, Southeastern Archeological Services, Inc.

21 November 2007

Julie Weisgerber  
Kansas State Historical Society  
6425 SW 6<sup>th</sup> Avenue  
Topeka, Kansas 66615

Ms. Weisgerber:

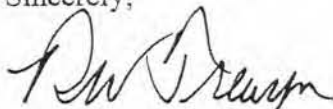
Kansas State University (K-State) would like to request a Section 106 review of the land parcel that is being considered by the Department of Homeland Security (DHS) as the National Bio and Agro-Defense Facility (NBAF) location. There are five other locations being considered across the country. DHS's contractor is currently conducting the NEPA required environmental impact study on the KSU site (as well as on the five other sites) and has asked K-State to make this Section 106 request. NBAF will be a high-containment facility for the study of zoonotic and high-consequence animal diseases. The facility will be designed to help DHS fulfill its mission of detecting, preventing, protecting against, and responding to biological and agricultural threats.

Please find enclosed a CD containing the following:

- 27 pictures taken from the highest point on the site at the "x's" shown on the attached site map. The picture labels indicate the direction from which the photograph was taken.
- An aerial map of the site. Note that two buildings have been added since the aerial map was made—the Biosecurity Research Institute and the Tick Research Center. The former will not be affected by NBAF. The latter will be moved to another location. You can see both in the enclosed photographs.
- A "KS\_project Description" file which contains a conceptualization of what the NBAF will possibly look like when built. Note the facility has been designed to cover the entire site because the environmental impact consultant would like the entire area considered in the Section 106 review.
- A legal description of the site that was included in House Bill 252.

If you need more information or you have questions, please contact Mary Lou Marino in our Research and Sponsored Programs Office at 785-532-3211.

Sincerely,



R.W. Trewyn, PhD  
Vice President for Research  
President, KSU Research Foundation



# KANSAS

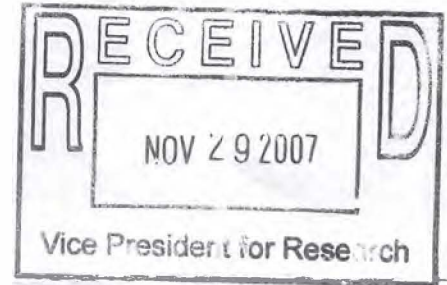
CR&C No. 07-11-204

Kansas State Historical Society  
Jennie Chinn, *Executive Director*

KATHLEEN SEBELIUS, GOVERNOR

November 28, 2007

R. W. Trewyn, PhD  
Vice President for Research  
Kansas State University  
108 Anderson Hall  
Manhattan, KS 66506-0113



Re: Proposed Construction of the National Bio and Agro-Defense Facility on the K-State Campus in Manhattan  
Riley County

Dear Ms. Trewyn:

We have reviewed the materials received November 27, 2007. Our office has no objection to your application. However, please keep in mind that if K-State is chosen as the site, our office will need to review the project once again when final construction plans have been drawn in accordance with 36 CFR Part 800 to determine whether there will be any adverse effects to any property listed or eligible for listing on the National Register of Historic Places.

Thank you for giving us the opportunity to comment on this. Please submit any comments or questions regarding this review to Julie Weisgerber at 785-272-8681, ext. 226.

Sincerely,  
Jennie Chinn  
State Historic Preservation Officer

A handwritten signature in blue ink, appearing to read "Patrick Zollner for".

Patrick Zollner  
Director, Cultural Resources Division  
Deputy State Historic Preservation Officer



WILDLIFE TECHNICAL SERVICES, INC.

April 20, 2007

Mississippi Department of Archives and History  
Mr. Jim Woodrick  
Review and Compliance Officer  
P. O. Box 571  
Jackson, Mississippi 39205-0571

RE: **Flora Property**  
**Madison County, Mississippi**  
**Phase I Environmental Assessment**

Dear Mr. Woodrick:

Our firm is presently preparing a Phase I Environmental Assessment for the above referenced parcel of land located in Section 5, Township 18 North, Range 1 West, Madison County, Mississippi. The exact location of the property is shown on the attached U.S.G.S. Flora, Mississippi Quadrangle Map. This assessment is in anticipation of an industrial development site.

We respectfully request that your office review the location of the property for issues of concern to your agency, particularly any cultural or historical issues, and that a written reply be forwarded to us with your comments and/or instructions regarding these issues.

If you require additional information regarding the project extent or geographic areas, please feel free to call.

Sincerely,

Lisa Tillotson  
Projects Manager

LCT/  
Encl.



HISTORIC PRESERVATION  
Ken P'Pool, Director  
PO Box 571, Jackson, MS 39205-0571  
601-576-6940 • Fax 601-576-6955  
mdah.state.ms.us

November 27, 2007

Mr. Walt Dinkelaker  
Wildlife Technical Services, Inc.  
P.O. Box 820188  
Vicksburg, Mississippi 39182

RE: Phase I Cultural Resources Survey of Proposed 150 Acre Flora Industrial Park,  
MDAH Project Log #11-043-07, Madison County


Dear Mr. Dinkelaker:

We have reviewed the November 7, 2007, cultural resources survey report by James Lauro, Archaeologist, received on November 9, for the above referenced undertaking, pursuant to our responsibilities under Section 106 of the National Historic Preservation Act and 36 CFR Part 800. After review, we concur that no known cultural resources listed in or eligible for listing in the National Register of Historic Places will be affected. Therefore, we have no objections with the proposed undertaking.

There remains the possibility that unrecorded cultural resources may be encountered during the project. Should this occur, we would appreciate your contacting this office immediately in order that we may offer appropriate comments under 36 CFR 800.13.

Please provide a copy of this letter to Mr. Lauro. If you need further information, please let us know.

Sincerely,

  
Jim Woodrick  
Review and Compliance Officer

FOR: H.T. Holmes  
State Historic Preservation Officer

c: Clearinghouse for Federal Programs



May 23, 2007

Lisa Tillotson  
Wildlife Technical Services, Inc.  
P.O. Box 820188  
Vicksburg, Mississippi 39182-0188


RE: Proposed industrial development site in Section 5, Township 18 North, Range 1  
West, MDAH Project #04-181-07, Madison County

Dear Lisa:

We have reviewed the request for a cultural resources assessment, received on April 24, 2007, for the above referenced project in accordance with our responsibilities under Section 106 of the National Historic Preservation Act and 36 CFR Part 800. Based on the topography, it is our determination that a cultural resources survey should be conducted in any portion of the project area in which there will be ground disturbing activities. Upon receipt of the cultural resources survey by a qualified archaeologist, we will be able to offer appropriate comments.

A list of individuals who have represented themselves as being willing and qualified to do archaeological survey work in Mississippi will be furnished upon request. A copy of this letter should be made available to the contracting archaeologist. If you have any questions, please contact Pamela Lieb, MDAH Chief Archaeologist, at 601-576-6940.

Sincerely,



Jim Woodrick  
Review and Compliance Officer

FOR: H.T. Holmes  
State Historic Preservation Officer

c: Clearinghouse for Federal Programs



## HISTORIC PRESERVATION

Ken P'Pool, director • Jim Woodrick, acting director  
 PO Box 571, Jackson, MS 39205-0571  
 601-576-6940 • Fax 601-576-6955  
 mdah.state.ms.us

July 30, 2008

Mr. James V. Johnson  
 U.S. Department of Homeland Security  
 Mail Stop #2100  
 245 Murray Lane SW, Building 410  
 Washington, DC 20528

RE: National Bio and Agro-Defense Facility Draft Environmental Impact Statement  
 (NBAF DEIS), Alternate Site at Flora Industrial Park in Flora, MDAH Project Log  
 #06-237-08, Madison County

Dear Mr. Johnson:

We have reviewed your request for a cultural resources assessment, received on June 30, 2008, for the above referenced project in accordance with our responsibilities under Section 106 of the National Historic Preservation Act and 36 CFR Part 800. After reviewing the information provided, it is our determination that the proposed National Bio and Agro-Defense Facility, if located at the alternate site in Flora, Mississippi, will not likely affect any known cultural resources. Therefore, we would have no objection with the proposed undertaking.

We appreciate the opportunity to comment. If we can be of further assistance, please do not hesitate to contact me at (601) 576-6940.

Sincerely,

Jim Woodrick  
 Review and Compliance Officer

FOR: H.T. Holmes  
 State Historic Preservation Officer

c: Clearinghouse for Federal Programs



**DIAL CORDY**  
**AND ASSOCIATES INC**  
*Environmental Consultants*

October 22, 2008

Attn: Douglas Mackey, Archaeology Section 106 Project Review  
New York State Historic Preservation Office  
Peebles Island State Park  
PO Box 189  
Waterford, NY 12188-0189

Re: Phase I Archaeological Survey of Alternative 1, National Bio and Agro D-Defense Facility  
Plum Island Animal Disease Center, Southold Township, Suffolk County, New York

Dear Mr. Mackey:

Enclosed please find a report on a Phase I Archaeological Study that was completed of a 24-acre (9.7-hectare) tract on the Plum Island National Bio and Agro D-Defense Facility, Southold Township, Suffolk County, New York. The work for this project was completed by New South Associates, Inc. for Dial Cordy and Associates, Inc., as part of an Environmental Impact Statement for the U.S. Department of Homeland Security for Alternative 1, which entails the construction of new facilities for the Plum Island Animal Disease Center. New construction would take place inside a roughly 24-acre tract immediately east of existing Building 100. This tract comprised the project APE.

Background research indicated that the project area possessed a medium to low potential for prehistoric sites and a high potential for historic archaeological sites associated with twentieth-century Fort Terry; however, fieldwork for the project indicated that the survey area was largely disturbed by twentieth-century waste disposal and more recent clean-up activities. The survey resulted in the discovery of four sites. Site 1 is an historic artifact scatter in a disturbed area. Site 2 represents a brick manhole related to Fort Terry. Site 3 is a historic dump site that cannot be dated precisely and was disturbed by road construction. Finally, Site 4 comprises the archaeological remains of an incinerator associated with Fort Terry, which was located in a disturbed setting and mixed with modern refuse. Due to the level of disturbance on the sites, all four sites have been recommended as not eligible to the National Register of Historic Places.

We look forward to your review of the enclosed document and receipt of your comments. Thank you for your assistance.

Sincerely,

DIAL CORDY AND ASSOCIATES, INC.

Lee Swain  
Vice President

Enclosure

J07-1039



**New York State Office of Parks, Recreation and Historic Preservation  
Historic Preservation Field Services Bureau**

Peebles Island Resource Center, PO Box 189, Waterford, NY 12188-0189 (Mail)  
Delaware Avenue, Cohoes 12047 (Delivery)

(518) 237-8643

# PROJECT REVIEW COVER FORM

Rev. 5-05

Please complete this form and attach it to the top of **any and all information submitted to this office** for review.  
Accurate and complete forms will assist this office in the timely processing and response to your request.

**This information relates to a previously submitted project.**

PROJECT NUMBER PR

COUNTY \_\_\_\_\_

If you have checked this box and noted the previous Project Review (PR) number assigned by this office you do not need to continue unless any of the required information below has changed.

2. This is a new project.

X

If you have checked this box you will need to complete ALL of the following information.

**Project Name** Archaeological Survey of Alternative 1, National Bio and Agro D Defense Facility

**Location** Plum Island Animal Disease Center, 40550 Rt 25, Orient Point  
You MUST include street number, street name and/or County, State or Interstate route number if applicable

City/Town/Village Southold Township

List the correct municipality in which your project is being undertaken. If in a hamlet you must also provide the name of the town.

County Suffolk

If your undertaking\* covers multiple communities/counties please attach a list defining all municipalities/counties included.

**TYPE OF REVIEW REQUIRED/REQUESTED** (Please answer both questions)

**A. Does this action involve a permit approval or funding, now or ultimately from any other governmental agency?**

☐ No      ☒ Yes

If Yes, list agency name(s) and permit(s)/approval(s)

**Agency involved**

Type of permit/approval

State	Federal
Alabama	100%
Alaska	100%
Arizona	100%
Arkansas	100%
California	100%
Colorado	100%
Connecticut	100%
Delaware	100%
District of Columbia	100%
Florida	100%
Georgia	100%
Hawaii	100%
Idaho	100%
Illinois	100%
Indiana	100%
Iowa	100%
Kansas	100%
Kentucky	100%
Louisiana	100%
Maine	100%
Maryland	100%
Massachusetts	100%
Michigan	100%
Minnesota	100%
Mississippi	100%
Missouri	100%
Montana	100%
Nebraska	100%
Nevada	100%
New Hampshire	100%
New Jersey	100%
New Mexico	100%
New York	100%
North Carolina	100%
North Dakota	100%
Ohio	100%
Oklahoma	100%
Oregon	100%
Pennsylvania	100%
Rhode Island	100%
South Carolina	100%
South Dakota	100%
Tennessee	100%
Texas	100%
Utah	100%
Vermont	100%
Virginia	100%
Washington	100%
West Virginia	100%
Wisconsin	100%
Wyoming	100%

Dept of Homeland Security

☐ ☒

□ □

11

B. Have you consulted the NYSHPO web site at **\*\*<http://nysparks.state.ny.us>** to determine the preliminary presence or absence of previously identified cultural resources within or adjacent to the project area? If yes:

☒ Yes ☐ No

**Was the project site wholly or partially included within an identified archeologically sensitive area?**

☒ Yes      ☐ No

Does the project site involve or is it substantially contiguous to a property listed or recommended for listing in the NY State or National Registers of Historic Places?

☐ Yes ☒ No

## CONTACT PERSON FOR PROJECT

Name Brad Botwick Title Archaeologist

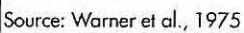
Firm/Agency New South Associates, Inc.

Address 6150 E. Ponce de Leon Ave City Stone Mtn STATE GA Zip 30083

Phone (770) 498-4155 Fax (770) 498-3809 E-Mail [bbotwick@newsouthassess.com](mailto:bbotwick@newsouthassess.com)

**\*\*<http://nysparks.state.ny.us> then select HISTORIC PRESERVATION then select On Line Resources**

Figure 2.





Project Review Cover Form  
Project Description

Phase I Archaeological Survey of Alternative 1, National Bio and Agro-D Defense Facility, Plum Island Animal Disease Center  
Southold Township, Suffolk County, New York

This project involved a Phase I Archaeological Survey for Alternative 1 of the National Bio and Agro D-Defense Facility on Plum Island, Southold Township, Suffolk County, New York. The work for this project was completed as part of an Environmental Impact Statement for the U.S. Department of Homeland Security. Alternative 1 would entail construction of new facilities for the Plum Island Animal Disease Center. The new construction would take place inside a roughly 9.7-hectare (24-ac) tract immediately east of existing Building 100 on Plum Island. The footprint of this tract constituted the Area of Potential Effect (APE) for this undertaking. The work performed for this survey was pursuant to Section 106 of the National Historic Preservation Act, as amended; the National Environmental Policy Act of 1969; and other relevant Federal Regulations.

The Phase I survey involved identifying archaeological resources that would be impacted if Alternative 1 proceeds. Background research indicated that the project area possessed a medium to low potential for prehistoric archaeological resources. It had a high potential for historic archaeological resources associated with twentieth-century Fort Terry, but a low potential for resources associated with eighteenth- to nineteenth-century domestic/agricultural occupations.

Fieldwork for this project indicated that the survey area was largely disturbed by twentieth-century waste disposal and more recent cleanup actions. These disturbed areas had a low potential for intact cultural resources. Less obviously disturbed areas were probably impacted by historic land use and military activities, but these did not preclude the potential for archaeological deposits or features.

The survey resulted in the identification of four sites. Site 1 is a historic artifact scatter in a disturbed area. Though it yielded artifacts that could relate to an early occupation of the island, documents do not indicate the presence of any activities here and the degree of disturbance suggests the historic materials could be secondary. Site 2 represents a brick manhole related to Fort Terry. This feature is documented through archival sources and lacks a strong research potential and integrity of setting. Site 3 is a historic dump that cannot be dated precisely and that is disturbed by road construction. Site 4 comprises the archaeological component of an incinerator associated with Fort Terry. Though it yielded historical artifacts, these were mixed with modern refuse and grading has substantially disturbed the portions of this site inside the project APE.

None of the newly identified sites are judged to possess qualities of significance as defined by the National Register of Historic Places. Therefore, Alternative 1 would have no effect on them if it proceeds.





# NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION

(518) 237-8643

## For Office Use Only--Site Identifier

### Project Identifier

Your Name Brad Botwick Date April 30, 2008

Address 6150 E. Ponce de Leon Ave. Stone Mountain, GA 30083 Phone (770) 498-4155

### Organization (if any)

1. SITE IDENTIFIER(S) New South Site 1

2. COUNTY Suffolk One of the following: CITY  
TOWNSHIP Southhold  
INCORPORATED VILLAGE  
UNINCORPORATED VILLAGE OR HAMLET

### 3. PRESENT OWNER

Address U.S. Department of Homeland Security  
Plum Island Animal Disease Center, Plum Island, New York

### 4. SITE DESCRIPTION (check all appropriate categories): Structure/site

Superstructure: complete ☐ partial ☐ collapsed ☐ not evident ☒

Foundation: above ☐ below ☐ (ground level) not evident ☒

☐ Structural subdivisions apparent ☐ Only surface traces visible

☐ Buried traces detected

List construction materials (be as specific as possible):

7 brick fragments, 1 ceramic drain pipe

### Grounds

☐ Under cultivation ☒ Sustaining erosion ☒ Woodland ☐ Upland

☐ Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland

Soil Drainage: excellent ☐ good ☒ fair ☐ poor

Distance to nearest water from structure (approx.) adjacent (Long Island Sound)

Elevation: 20ft above sea level

### 5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) \_\_\_\_\_ Site map (submit with form\*)

#### Collection

Subsurface -- date(s) March 25, 2008

Testing: shovel ☒ coring ☐ other ☐ unit size 30cm dia.

no. units 28 (Submit plan of units with form\*)

Excavation: unit size \_\_\_\_\_ no. of units  
(Submit plan of units with form\*)

\* Submission should be 8 1/2" by 11", if feasible

Investigator New South Associates, Inc.

Manuscript or published report (s) (reference fully):

Botwick, Brad

2008 Phase I Archaeological Survey of Alternative 1, National Bio and Agro D-Defense Facility, Plum Island Animal Disease Center, Southold Township, Suffolk County, New York. Prepared for Dial Cordy and Associates, Inc., Jaconsonville Beach, FL by New South Associates, Inc., Stone Mountain, GA.

Present repository of materials Temporarily with New South Associates, Inc., Stone Mountain, GA

6. Site inventory:

a. Date constructed or occupation period 18/19<sup>th</sup> Century to 20<sup>th</sup> Century

b. Previous owners, if known

c. Modifications, if known

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name n/a Date \_\_\_\_\_ Source \_\_\_\_\_

Present location of original, if known

2) Name \_\_\_\_\_ Date \_\_\_\_\_ Source \_\_\_\_\_

Present location of original, if known

b. Representation in existing photography

1) Photo date n/a Where located \_\_\_\_\_

2) Photo date \_\_\_\_\_ Where located \_\_\_\_\_

c. Primary and secondary source of documentation (reference fully)

n/a

d. Persons with memory of site

1) Name n/a Address \_\_\_\_\_

2) Name \_\_\_\_\_ Address \_\_\_\_\_

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):

3-plain creamware fragments, 1-pearlware fragment, 1-glazed redware fragment, 1-unidentified redware fragment; 1-slipware fragment, 1 tobacco pipe bowl fragment

If prehistoric materials are evident, check here and fill out prehistoric site form.

9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

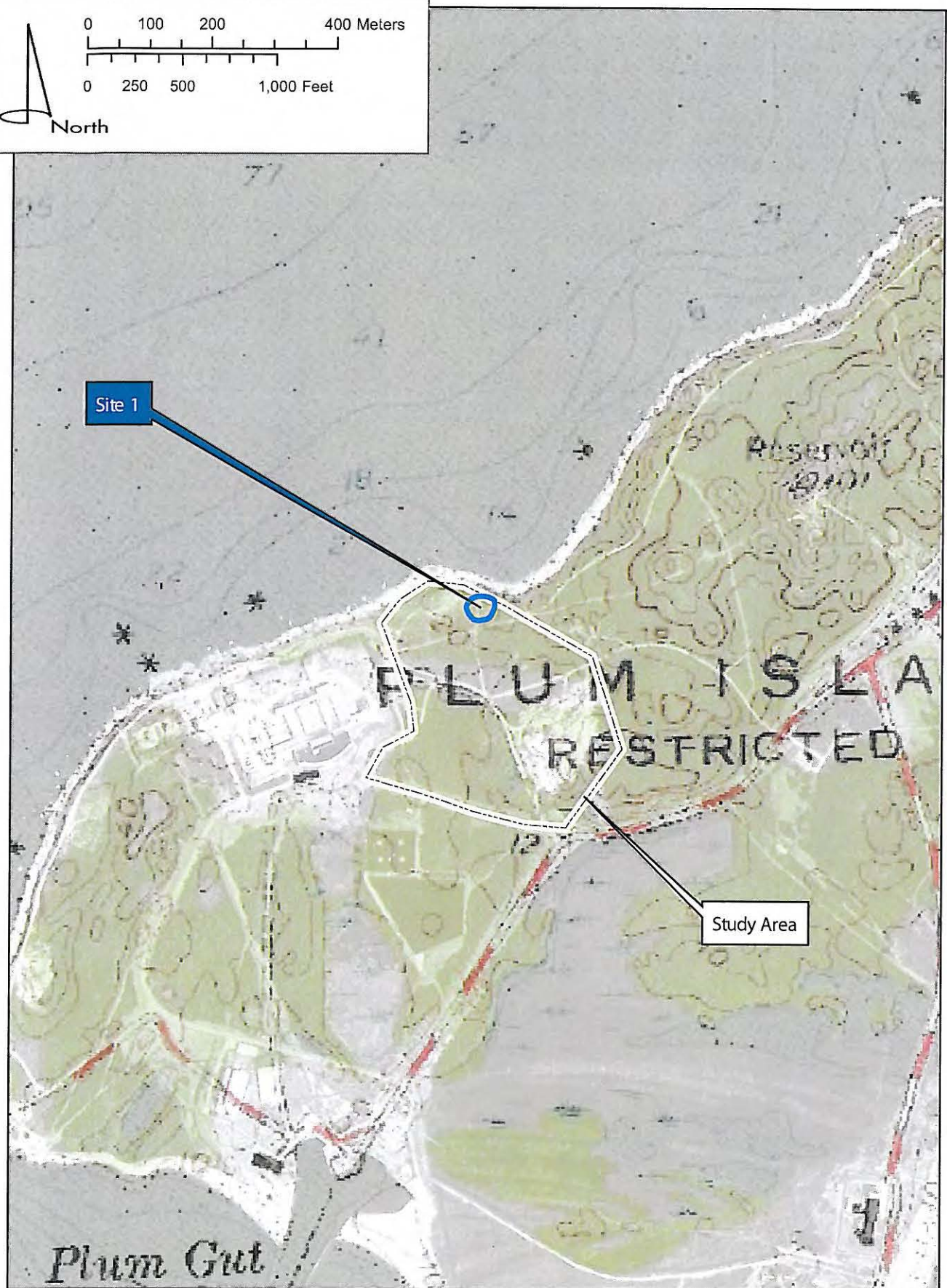
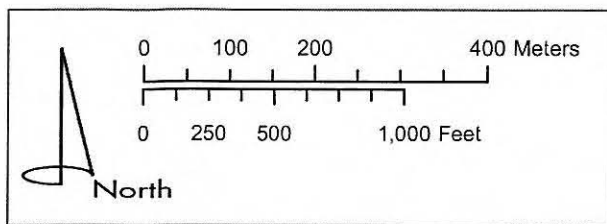
USGS 7½ Minute Series Quad. Name Plum Island, NY-CT

For Office Use Only--UTM Coordinates

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

Site 1 consists of a historic artifact scatter located on the north shore of Plum Island. The site vicinity contains evidence of grading (push piles, dump piles) and is bounded by areas that have been heavily disturbed by recent waste materials cleanup. Shovel testing at the site produced a low-density scatter of historic artifacts that included brick fragments, 18<sup>th</sup>-19<sup>th</sup> century ceramics, and other items. These came from the uppermost 20 centimeters of the shovel tests. Historic maps do not point to any domestic occupation of this location, although the area was utilized for 20<sup>th</sup> century military activities. Historic and recent land use suggests that the historic artifacts might be secondary deposits derived from another location.







# NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION  
(518) 237-8643

## For Office Use Only--Site Identifier

### Project Identifier

Your Name Brad Botwick Date April 30, 2008  
Address 6150 E. Ponce de Leon Ave, Stone Mountain, GA 30083 Phone (770) 498-4155

### Organization (if any)

1. SITE IDENTIFIER(S) New South Site I

2. COUNTY Suffolk One of the following: CITY  
TOWNSHIP Southhold  
INCORPORATED VILLAGE  
UNINCORPORATED VILLAGE OR HAMLET

### 3. PRESENT OWNER

Address U.S. Department of Homeland Security  
Plum Island Animal Disease Center, Plum Island, New York

### 4. SITE DESCRIPTION (check all appropriate categories): Structure/site

Superstructure: complete ☐ partial ☐ collapsed ☐ not evident ☒

Foundation: above ☐ below ☐ (ground level) not evident ☒

☐ Structural subdivisions apparent ☐ Only surface traces visible

☐ Buried traces detected

List construction materials (be as specific as possible):

7 brick fragments, 1 ceramic drain pipe

### Grounds

☐ Under cultivation ☒ Sustaining erosion ☒ Woodland ☐ Upland

☐ Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland

Soil Drainage: excellent ☐ good ☒ fair ☐ poor

Distance to nearest water from structure (approx.) adjacent (Long Island Sound)

Elevation: 20ft above sea level

### 5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) \_\_\_\_\_ Site map (submit with form\*)

Collection

Subsurface -- date(s) March 25, 2008

Testing: shovel ☒ coring ☐ other ☐ unit size 30cm dia.

no. units 28 (Submit plan of units with form\*)

Excavation: unit size \_\_\_\_\_ no. of units

(Submit plan of units with form\*)

\* Submission should be 8 1/2" by 11", if feasible

Investigator New South Associates, Inc.

Manuscript or published report (s) (reference fully):

Botwick, Brad

2008 Phase I Archaeological Survey of Alternative 1, National Bio and Agro D-Defense Facility, Plum Island Animal Disease Center, Southold Township, Suffolk County, New York. Prepared for Dial Cordy and Associates, Inc., Jaconsonville Beach, FL by New South Associates, Inc., Stone Mountain, GA.

Present repository of materials Temporarily with New South Associates, Inc., Stone Mountain, GA

6. Site inventory:

a. Date constructed or occupation period 18/19<sup>th</sup> Century to 20<sup>th</sup> Century

b. Previous owners, if known

c. Modifications, if known

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name n/a Date \_\_\_\_\_ Source \_\_\_\_\_

Present location of original, if known

2) Name \_\_\_\_\_ Date \_\_\_\_\_ Source \_\_\_\_\_

Present location of original, if known

b. Representation in existing photography

1) Photo date n/a Where located \_\_\_\_\_

2) Photo date \_\_\_\_\_ Where located \_\_\_\_\_

c. Primary and secondary source of documentation (reference fully)

n/a

d. Persons with memory of site

1) Name n/a Address \_\_\_\_\_

2) Name \_\_\_\_\_ Address \_\_\_\_\_

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):

3-plain creamware fragments, 1-pearlware fragment, 1-glazed redware fragment, 1-unidentified redware fragment; 1-slipware fragment, 1 tobacco pipe bowl fragment

If prehistoric materials are evident, check here and fill out prehistoric site form.

9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

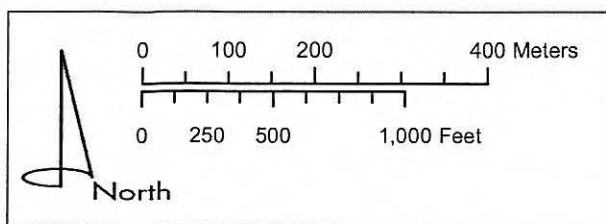
USGS 7½ Minute Series Quad. Name Plum Island, NY-CT

For Office Use Only--UTM Coordinates

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.



Site 1 consists of a historic artifact scatter located on the north shore of Plum Island. The site vicinity contains evidence of grading (push piles, dump piles) and is bounded by areas that have been heavily disturbed by recent waste materials cleanup. Shovel testing at the site produced a low-density scatter of historic artifacts that included brick fragments, 18<sup>th</sup>-19<sup>th</sup> century ceramics, and other items. These came from the uppermost 20 centimeters of the shovel tests. Historic maps do not point to any domestic occupation of this location, although the area was utilized for 20<sup>th</sup> century military activities. Historic and recent land use suggests that the historic artifacts might be secondary deposits derived from another location.









**NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM**  
NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION  
(518) 237-8643

**For Office Use Only--Site Identifier**

**Project Identifier**

Your Name Brad Botwick Date April 30, 2008  
Address 6150 E. Ponce de Leon Ave, Stone Mountain, GA 30083 Phone (770) 498-4155

**Organization (if any)**

1. SITE IDENTIFIER(S) New South Site 2  
2. COUNTY Suffolk One of the following: CITY  
TOWNSHIP Southold  
INCORPORATED VILLAGE  
UNINCORPORATED VILLAGE OR HAMLET

**3. PRESENT OWNER**

Address U.S. Department of Homeland Security  
Plum Island Animal Disease Center, Plum Island, New York

**4. SITE DESCRIPTION (check all appropriate categories): Structure/site**

Superstructure: complete ☐ partial ☐ collapsed ☐ not evident

Foundation: above ☐ below ☐ (ground level) not evident

☐ Structural subdivisions apparent ☐ Only surface traces visible

☒ Buried traces detected

List construction materials (be as specific as possible):

Brick; None collected

**Grounds**

☐ Under cultivation ☐ Sustaining erosion ☐ Woodland ☐ Upland  
☐ Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland

Soil Drainage: excellent ☐ good ☒ fair ☐ poor

Distance to nearest water from structure (approx.) adjacent (Long Island Sound)

Elevation: 20ft above sea level

**5. Site Investigation (append additional sheets, if necessary):**

Surface -- date (s) \_\_\_\_\_ Site map (submit with form\*)  
Collection

Subsurface -- date(s) March 25, 2008

Testing: shovel ☒ coring ☐ other ☐ unit size 40cm dia.  
no. units 1 (Submit plan of units with form\*)

Excavation: unit size \_\_\_\_\_ no. of units  
(Submit plan of units with form\*)

\* Submission should be 8 1/2" by 11", if feasible

Investigator New South Associates, Inc.

Manuscript or published report (s) (reference fully):

Botwick, Brad

2008 Phase I Archaeological Survey of Alternative 1, National Bio and Agro D-Defense Facility, Plum Island Animal Disease Center, Southold Township, Suffolk County, New York. Prepared for Dial Cordy and Associates, Inc., Jaconsonville Beach, FL by New South Associates, Inc., Stone Mountain, GA.

Present repository of materials Temporarily with New South Associates, Inc., Stone Mountain, GA

6. Site inventory:

a. Date constructed or occupation period 20<sup>th</sup> Century

b. Previous owners, if known

c. Modifications, if known

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name Topographic Map of Plum Island Date 1953 Source US Army Corps of Engineers

Present location of original, if known Plum Island Animal Disease Center

2) Name \_\_\_\_\_ Date \_\_\_\_\_ Source \_\_\_\_\_

Present location of original, if known \_\_\_\_\_

b. Representation in existing photography

1) Photo date n/a Where located \_\_\_\_\_

2) Photo date \_\_\_\_\_ Where located \_\_\_\_\_

c. Primary and secondary source of documentation (reference fully)

n/a

d. Persons with memory of site

1) Name n/a Address \_\_\_\_\_

2) Name \_\_\_\_\_ Address \_\_\_\_\_

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):

1-bottle glass fragment

If prehistoric materials are evident, check here and fill out prehistoric site form.

9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

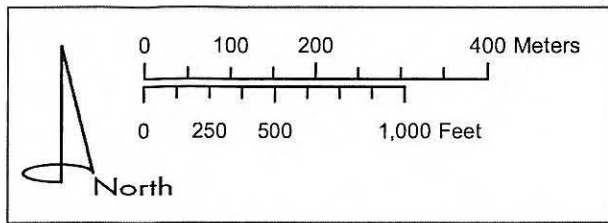
USGS 71/2 Minute Series Quad. Name Plum Island, NY-CT

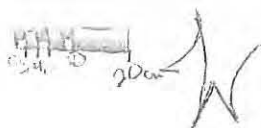
For Office Use Only--UTM Coordinates \_\_\_\_\_

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

Site 2 represents a brick manhole located in the vicinity of the former Fort Terry firing range on Plum Island. This feature was indicated by modern (probably 20<sup>th</sup> century) bricks and mortar and iron rungs set into its north wall. Excavation of a single shovel test to examine the fill produced only one artifact. The site appears on 1953 topographic map of Plum Island. A 1954 blueprint shows a 'typical' brick manhole on Plum Island, and the diagram closely matches Site 2 in size and construction. The site lacks integrity of setting, and appears to contain near-sterile fill. Because its historical association and appearance have been documented on early maps and plans, and because it lacks a strong archaeological research potential, Site 2 is judged not eligible for the National Register of Historic Places.





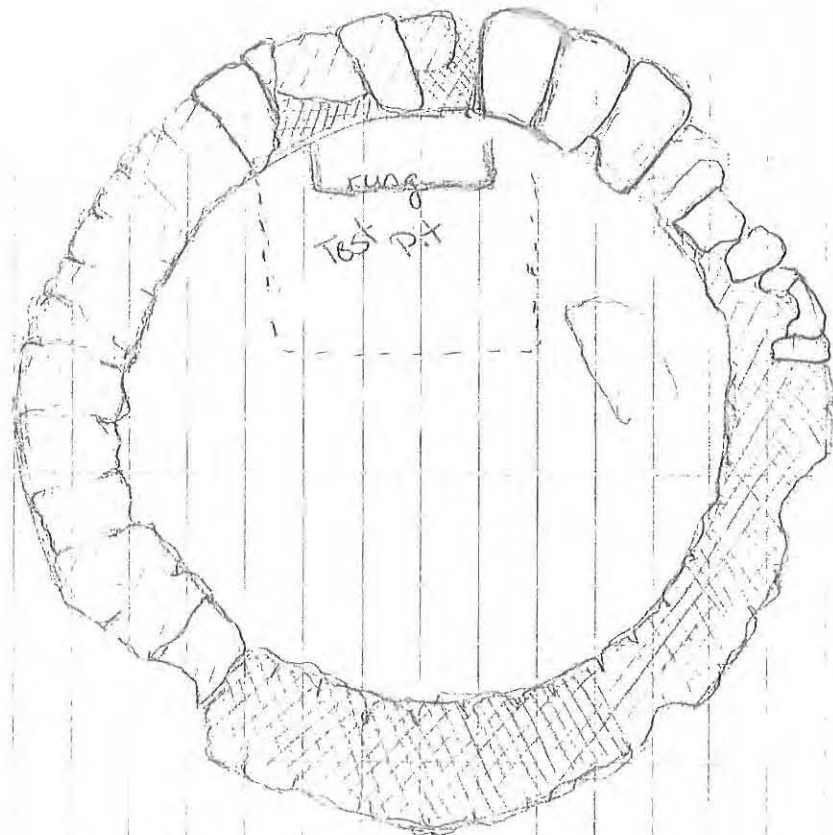


Plain Island Survey  
3573  
NSA  
Feature #: 1

NH/LS  
3/25/08

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

10  
20  
30  
40  
50  
60  
70  
80  
90  
100  
110  
120  
130  
140  
150  
160  
170



□ - top layer    ▨ - 2nd    ▩ - 3rd layer

Plan of Feature 1 (brick manhole) at Site 2.



# NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION

(518) 237-8643

## For Office Use Only--Site Identifier

### Project Identifier

Your Name Brad Botwick Date April 30, 2008  
Address 6150 E. Ponce de Leon Ave, Stone Mountain, GA 30083 Phone (770) 498-4155

### Organization (if any)

1. SITE IDENTIFIER(S) New South Site 3

2. COUNTY Suffolk One of the following: CITY  
TOWNSHIP Southold  
INCORPORATED VILLAGE  
UNINCORPORATED VILLAGE OR HAMLET

### 3. PRESENT OWNER

Address U.S. Department of Homeland Security  
Plum Island Animal Disease Center, Plum Island, New York

### 4. SITE DESCRIPTION (check all appropriate categories): Structure/site

Superstructure: complete ☐ partial ☐ collapsed ☐ not evident

Foundation: above ☐ below ☐ (ground level) not evident

☐ Structural subdivisions apparent ☐ Only surface traces visible

☒ Buried traces detected

List construction materials (be as specific as possible):

5-wire nails, 1 hinge strap

### Grounds

☐ Under cultivation ☐ Sustaining erosion ☐ Woodland ☒ Upland

☐ Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland

Soil Drainage: excellent ☐ good ☒ fair ☐ poor

Distance to nearest water from structure (approx.) adjacent (Long Island Sound)

Elevation: 20ft above sea level

### 5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) March 26, 2008 Site map (submit with form\*)

#### Collection

Subsurface -- date(s)

Testing: shovel ☒ coring ☐ other ☐ unit size 30cm dia  
no. units 4 (Submit plan of units with form\*)

Excavation: unit size ☐ no. of units  
(Submit plan of units with form\*)

\* Submission should be 8 1/2" by 11", if feasible

Investigator New South Associates, Inc.



Manuscript or published report (s) (reference fully):

Botwick, Brad

2008 Phase I Archaeological Survey of Alternative 1, National Bio and Agro D-Defense Facility, Plum Island Animal Disease Center, Southold Township, Suffolk County, New York. Prepared for Dial Cordy and Associates, Inc., Jaconsonville Beach, FL by New South Associates, Inc., Stone Mountain, GA.

Present repository of materials Temporarily with New South Associates, Inc., Stone Mountain, GA

6. Site inventory:

a. Date constructed or occupation period 20<sup>th</sup> century

b. Previous owners, if known

c. Modifications, if known

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name n/a Date      Source     

Present location of original, if known

2) Name      Date      Source     

Present location of original, if known

b. Representation in existing photography

1) Photo date n/a Where located     

2) Photo date      Where located     

c. Primary and secondary source of documentation (reference fully)

n/a

d. Persons with memory of site

1) Name n/a Address     

2) Name      Address     

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):

2-clear bottle glass, 3-milk glass cosmetic jar

If prehistoric materials are evident, check here and fill out prehistoric site form.

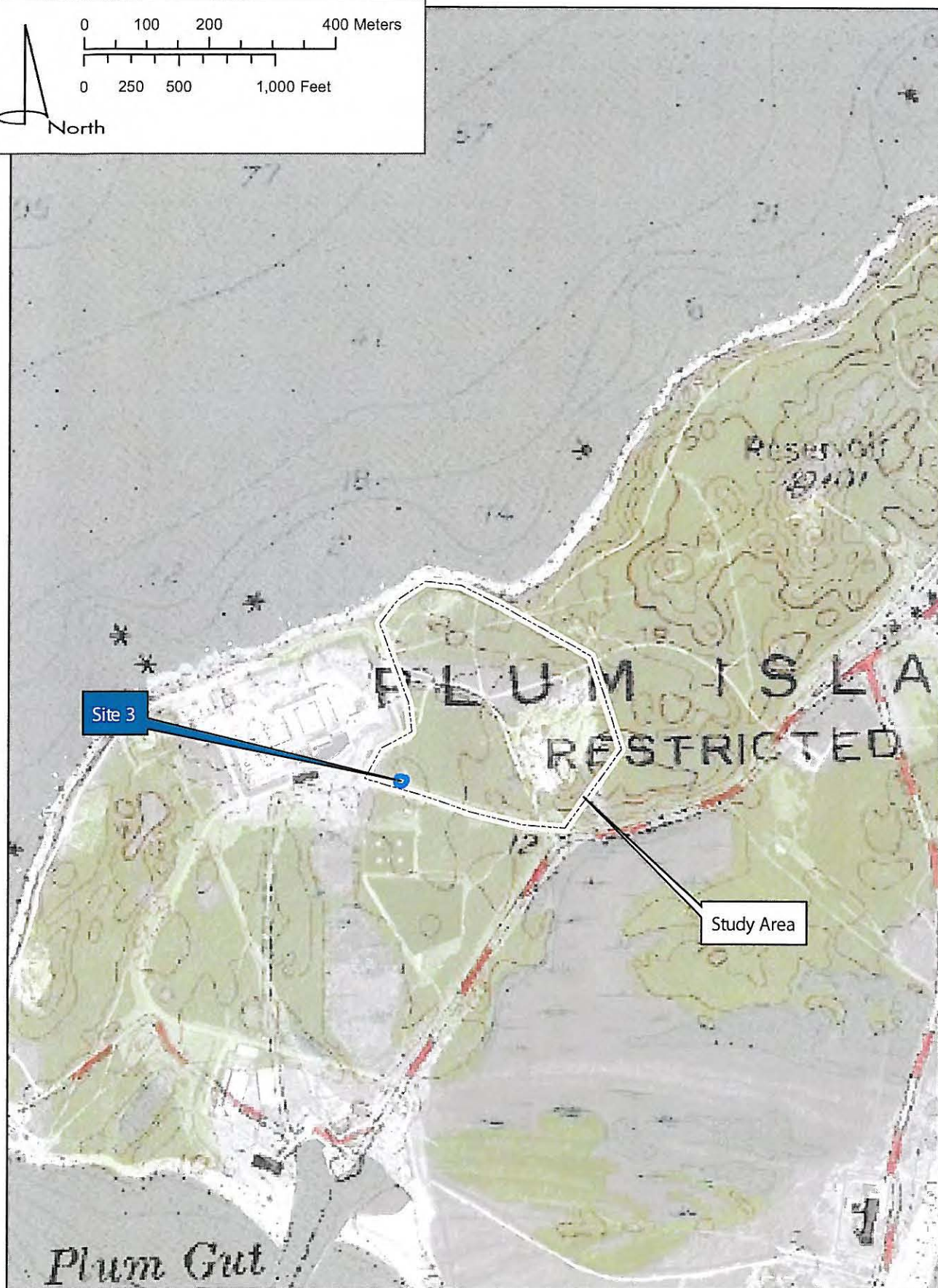
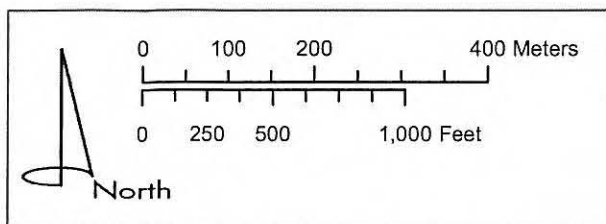
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name Plum Island, NY-CT

For Office Use Only--UTM Coordinates

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

Site 3 represents a trash dump encountered in a single positive shovel test during a survey for an Environmental Impact Statement on Plum Island. The shovel test encountered a relatively dense deposit of coal, with sparser deposits of container glass and building hardware mixed in. All artifacts came from the uppermost 20 centimeters below surface. The shovel test was at the edge of a road cut, and therefore radial shovel tests were placed only to the north and east at 3 and 5-meter intervals. These additional shovel tests did not yield any artifacts. The site probably dates to the 20<sup>th</sup> century, but cannot be dated more precisely and therefore its chronological association is not known.







1. 1000  
 2. 1000  
 3. 1000  
 4. 1000  
 5. 1000

Site 3

1.6.1  
 1. THE STATE OF TEXAS  
 2. COUNTY OF DALLAS  
 3. CITY OF DALLAS  
 4. COUNTY OF DALLAS



# NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION

(518) 237-8643

## For Office Use Only--Site Identifier

### Project Identifier

Your Name Brad Botwick Date April 30, 2008  
Address 6150 E. Ponce de Leon Ave. Stone Mountain, GA 30083 Phone (770) 498-4155

### Organization (if any)

1. SITE IDENTIFIER(S) New South Site 4

2. COUNTY Suffolk One of the following: CITY  
TOWNSHIP Southhold  
INCORPORATED VILLAGE  
UNINCORPORATED VILLAGE OR HAMLET

### 3. PRESENT OWNER

Address U.S. Department of Homeland Security  
Plum Island Animal Disease Center, Plum Island, New York

### 4. SITE DESCRIPTION (check all appropriate categories): Structure/site

Superstructure: complete ☐ partial ☐ collapsed ☒ not evident

Foundation: above ☒ below ☐ (ground level) not evident

☐ Structural subdivisions apparent ☐ Only surface traces visible

☐ Buried traces detected

List construction materials (be as specific as possible):

Cement, wood, firebrick, iron; None collected

### Grounds

☐ Under cultivation ☐ Sustaining erosion ☐ Woodland ☒ Upland

☐ Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland

Soil Drainage: excellent ☐ good ☒ fair ☐ poor

Distance to nearest water from structure (approx.) adjacent (Long Island Sound)

Elevation: 30ft above sea level

### 5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) March 26, 2008 Site map (submit with form\*)  
Collection

Subsurface -- date(s)

Testing: shovel ☐ coring ☐ other ☐ unit size ☐  
no. units ☐ (Submit plan of units with form\*)

Excavation: unit size ☐ no. of units  
(Submit plan of units with form\*)

\* Submission should be 8 1/2" by 11", if feasible

Investigator New South Associates, Inc.

Manuscript or published report (s) (reference fully):

Botwick, Brad

2008 Phase I Archaeological Survey of Alternative 1, National Bio and Agro D-Defense Facility, Plum Island Animal Disease Center, Southold Township, Suffolk County, New York. Prepared for Dial Cordy and Associates, Inc., Jaconsonville Beach, FL by New South Associates, Inc., Stone Mountain, GA.

Present repository of materials Temporarily with New South Associates, Inc., Stone Mountain, GA

6. Site inventory:

a. Date constructed or occupation period 1910

b. Previous owners, if known U.S. Army

c. Modifications, if known

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name Topographic Map of Plum Island Date 1953 Source US Army Corps of Engineers

Present location of original, if known Plum Island Animal Disease Center

2) Name \_\_\_\_\_ Date \_\_\_\_\_ Source \_\_\_\_\_

Present location of original, if known \_\_\_\_\_

b. Representation in existing photography

1) Photo date 1940 Where located Index of Buildings, Fort Terry, NY (on file at Plum Island Animal Disease Center); Building 48

2) Photo date \_\_\_\_\_ Where located \_\_\_\_\_

c. Primary and secondary source of documentation (reference fully)

Hefner, Robert J.

1998 Historic Resources Survey, Plum Island, New York. Prepared for U.S. Department of Agriculture, Plum Island, New York. On file at Plum Island Animal Disease Center, Plum Island, New York.

FBM Group/GAI Consultants

2003 Historic Preservation Plan for Plum Island, New York. Prepared for US Department of Agriculture, Orient Point, New York. On file at Plum Island Animal Disease Center, Plum Island, New York.

d. Persons with memory of site

1) Name n/a Address \_\_\_\_\_

2) Name \_\_\_\_\_ Address \_\_\_\_\_

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):

13-ironstone (institutional)

If prehistoric materials are evident, check here and fill out prehistoric site form.

9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

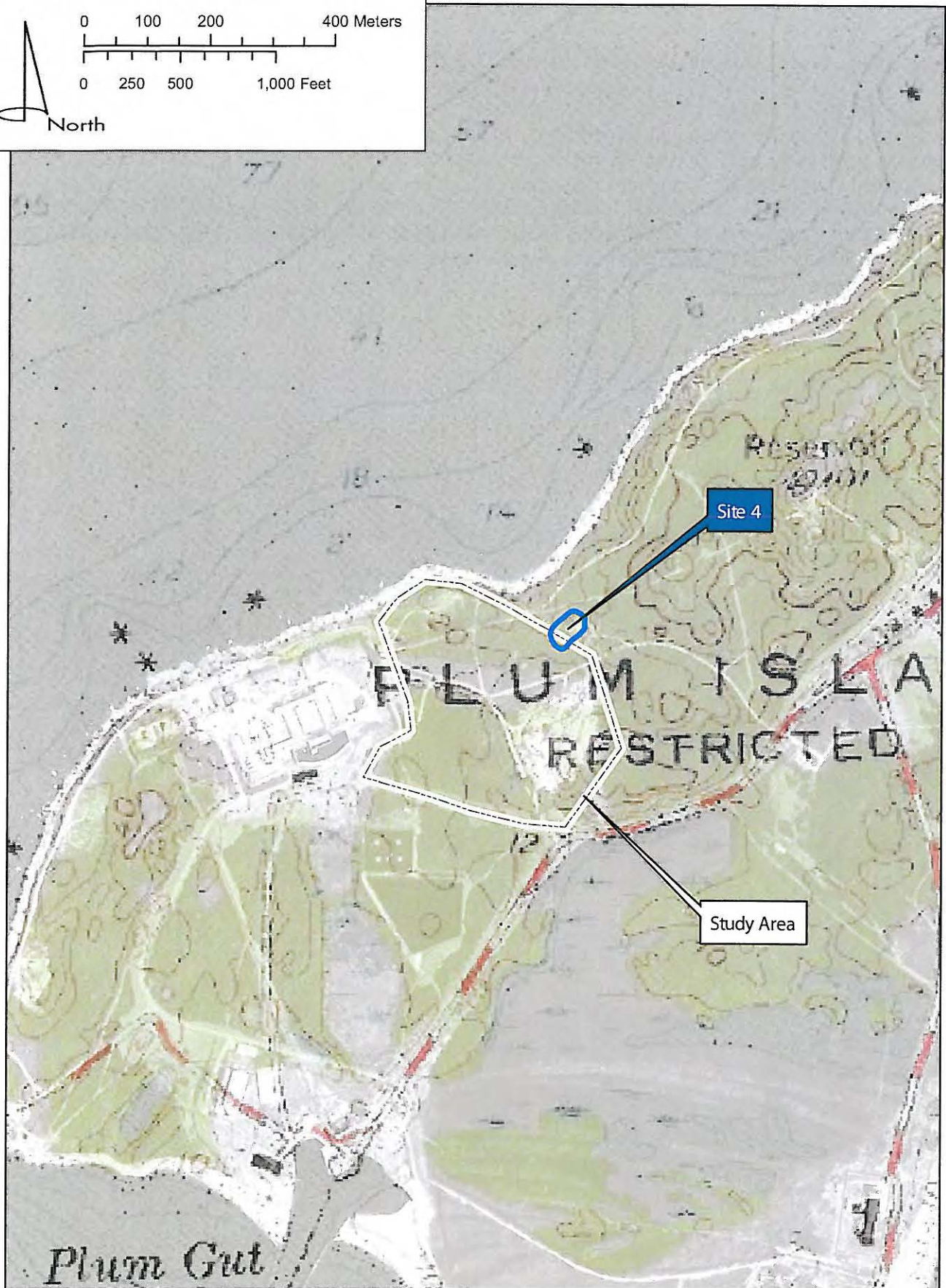
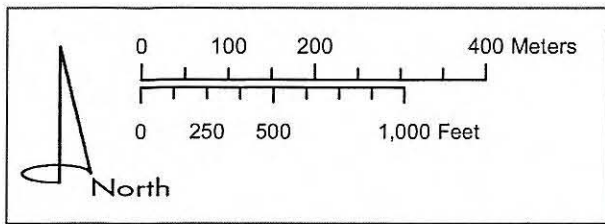
USGS 71/2 Minute Series Quad. Name Plum Island, NY-CT

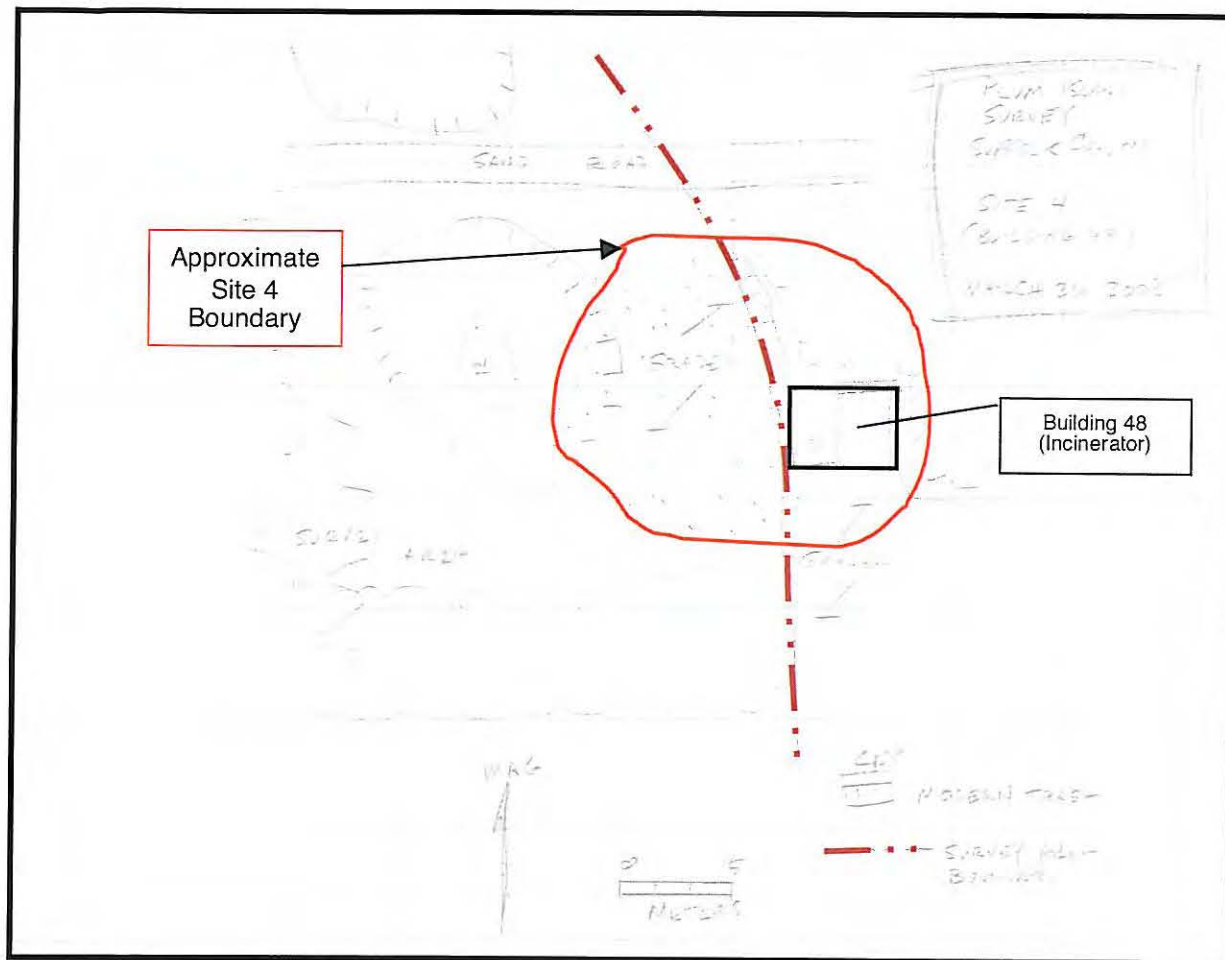
For Office Use Only--UTM Coordinates



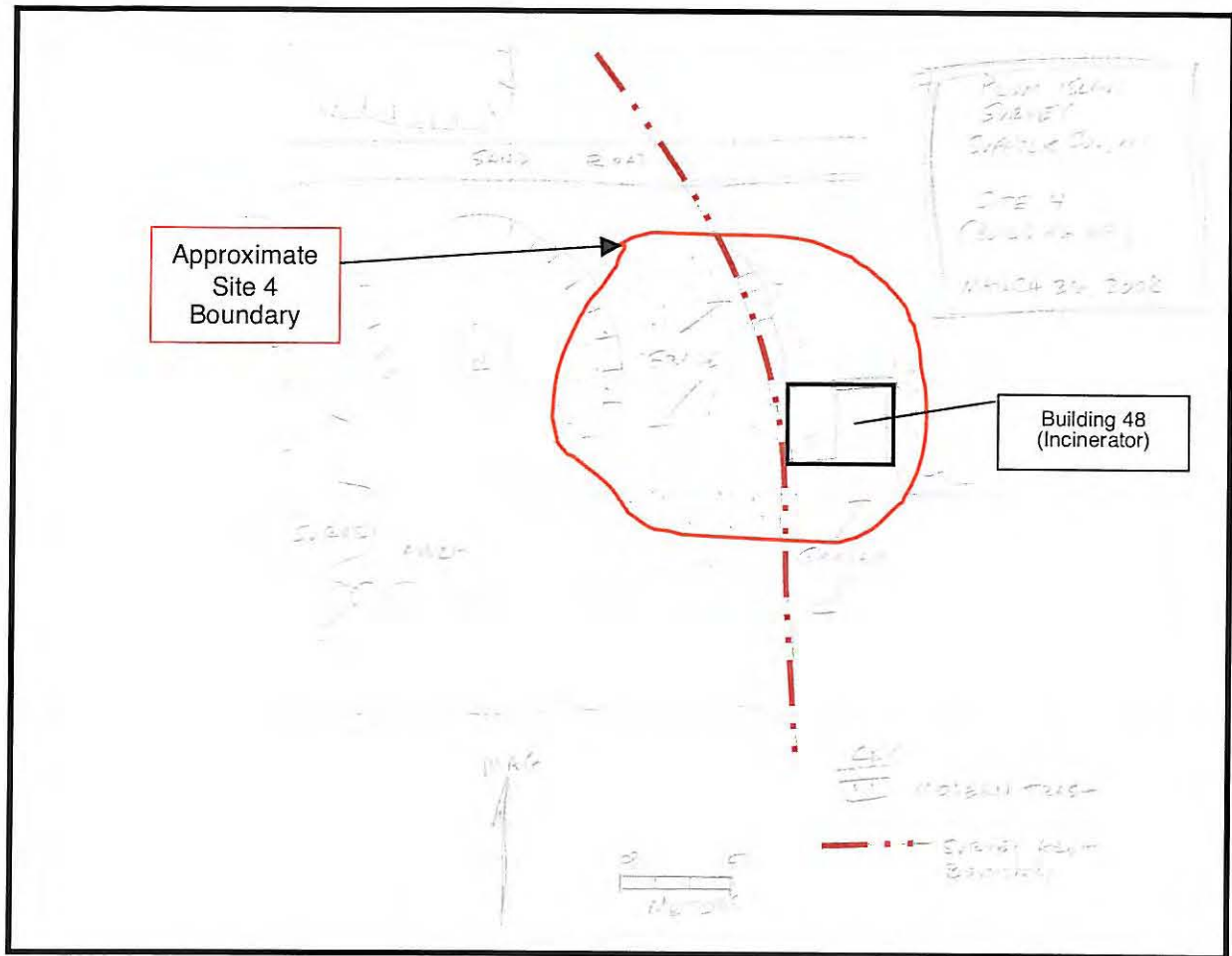
10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

Site 4 represents the archaeological component associated with a former incinerator or crematorium built for use by Fort Terry in 1910. The structure was recorded in a historic structures survey and described as a ruin that was not eligible for listing in the National Register of Historic Places. Archaeological survey of the adjacent grounds indicated that this area was substantially disturbed as a result of grading, especially to the south and west, which were in the present study area. To the north and east, the area looked less disturbed but lay outside the survey area and was not examined in detail. The graded areas were covered in trash deposits consisting mostly of modern items, such as plastic, rubber vehicle tires, modern beverage containers, and similar materials. A small collection of historic ceramics was collected that reflect the military associations of Plum Island, but these could not be dated precisely. The historic ceramics were also mixed with the modern trash.









August 9, 2007

State Historic Preservation Office  
Attn: Renee Gledhill-Earley, Environmental Review Coordinator  
4617 Mail Service Center  
Raleigh NC 27699-4617  
W&R Project # 207587

Dear Ms. Gledhill-Earley,

On July 16, 2007, Withers & Ravenel utilized the resources provided by the North Carolina State Historic Preservation Office to research and identify any historic structures potentially located within the NBAF project boundaries. Withers & Ravenel did not find any structures listed on the National Register within the project boundaries. We are requesting a letter of concurrence from your office that the proposed project will not impact any structures listed (or proposed for listing) on the National Register of Historic Places.

If you have any questions feel free to contact me at (919) 469-3340. Thank you very much for your time and consideration.

Sincerely,

**WITHERS & RAVENEL, INC.**



Todd Preuninger  
Director of Wetlands and Biological Services



RECEIVED  
NOV 27 2007  
Withers & Ravenel

North Carolina Department of Cultural Resources

State Historic Preservation Office

Peter B. Sandbeck, Administrator

Michael F. Easley, Governor  
Lisbeth C. Evans, Secretary  
Jeffrey J. Crow, Deputy Secretary

Office of Archives and History  
Division of Historical Resources  
David Brook, Director

November 19, 2007

Todd Preuninger  
Withers & Ravenel  
111 MacKenan Drive  
Cary, NC 27511

Re: National Bio Agro Defense Facility, Butner, Granville County, CH 07-1799

Dear Mr. Preuninger:

Thank you for your e-mail of November 2, 2007, providing the selected Butner tract for the defense facility. We have reviewed our files and would like to comment.

We have determined that the project as proposed will not affect any historic structures.

No sites have been recorded within the project area boundaries. Because of the location and topography of the proposed project area, it is unlikely that any archaeological sites which may be eligible for inclusion in the National Register of Historic Places will be affected by the proposed construction. We, therefore, recommend that no archaeological investigation be conducted in connection with this project.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, please contact Renee Gledhill-Earley, environmental review coordinator, at 919-807-6579. In all future communication concerning this project, please cite the above referenced tracking number.

Sincerely,

Peter Sandbeck

cc: James V. Johnson, US Department of Homeland Security  
State Clearinghouse





RECEIVED  
JAN 28 2008  
Withers & Ravenel

North Carolina Department of Cultural Resources  
State Historic Preservation Office

Peter B. Sandbeck, Administrator

Michael F. Easley, Governor  
Lisbeth C. Evans, Secretary  
Jeffrey J. Crow, Deputy Secretary

Office of Archives and History  
Division of Historical Resources  
David Brook, Director

January 17, 2008

Todd Preuninger  
Director of Wetland and Biological Services  
Withers & Ravenel  
111 MacKenan Drive  
Cary, NC 27511

Re: National Bio Agro Defense Facility, Butner, Granville County, CH 07-1799

Dear Mr. Preuninger:

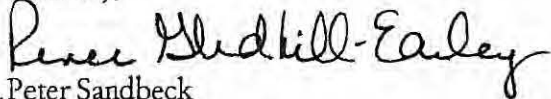
Thank you for your e-mail of December 20, 2007, providing a map of the new Butner parcel selected for the defense facility. We have reviewed our files and would like to comment.

No sites have been recorded within the project area boundaries. Because of the location and topography of the proposed project area, it is unlikely that any archaeological sites which may be eligible for inclusion in the National Register of Historic Places will be affected by the proposed construction. We, therefore, recommend that no archaeological investigation be conducted in connection with this project.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, please contact Renee Gledhill-Earley, environmental review coordinator, at 919/733-4763. In all future communication concerning this project, please cite the above referenced tracking number.

Sincerely,

  
Peter Sandbeck

cc: James V. Johnson, Mail Stop # 2100  
US Department of Homeland Security  
Science and Technology Directorate  
245 Murray Lane, SW, Building 410  
Washington, DC 20528

ADMINISTRATION  
RESTORATION  
SURVEY & PLANNING

Location  
109 East Jones Street, Raleigh NC 24601  
109 East Jones Street, Raleigh NC 24601  
109 East Jones Street, Raleigh NC 24601

Mailing Address  
4617 Mail Service Center, Raleigh NC 27699-4617  
4617 Mail Service Center, Raleigh NC 27699-4617  
4617 Mail Service Center, Raleigh NC 27699-4617

Telephone/Fax  
(919)807-6570/807-6599  
(919)807-6570/807-6599  
(919)807-6570/807-6599



North Carolina Department of Environment and Natural Resources

Michael F. Easley, Governor

William G. Rosa Jr., Secretary

August 22, 2008

**MEMORANDUM**

**TO:** Melba McGee, DENR Environmental Coordinator  
**FROM:** <sup>H2</sup> Harry LeGrand, Natural Heritage Program  
**SUBJECT:** Proposed Development of the National Bio- and Agro-Defense Facility; Butner, Granville County

The Natural Heritage Program has identified numerous significant natural heritage areas in the general Butner vicinity, many of which are of National significance. The following are the closest to the location of the proposed facility (just north of the Dillon School):

Camp Butner Game Land (County significance, approximately 0.3 mile to the west)  
Knap of Reeds Creek Diabase Forest and Glades (National significance, approximately 0.7 mile to the southeast)  
Knap of Reeds Creek Ravine (County significance), approximately 0.7 mile to the east)  
Knap of Reeds Creek Diabase Levee and Slopes (National significance, and most is a Registered Natural Heritage Area - registered with the U.S. Army Corps of Engineers; approximately 0.8 mile to the south)

Please do not hesitate to contact me at 919-715-8697 if you have questions or need further information.

Enclosure

1601 Mail Service Center, Raleigh, North Carolina 27699-1601  
Phone: 919-733-4984 \ FAX: 919-715-3080 \ Internet: [www.enr.state.nc.us/ENR/](http://www.enr.state.nc.us/ENR/)

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One  
North Carolina  
*Naturally*





Project No. ASF07-365-01  
January 18, 2008

Mr. Mark Denton  
Texas Historical Commission  
Division of Archeology  
P.O. Box 12276  
Austin, Texas 78711-2276



**RE: Review Request for Draft Report  
Intensive Cultural Resources Survey  
100-Acre NBAF Property  
Medina and Bexar Counties, Texas**

Dear Mr. Denton,

Please find enclosed two (2) draft copies of the report entitled: *An Intensive Cultural Resources Survey of the 100.1-Acre NBAF Tract, Medina and Bexar Counties, Texas*.

In January 2008 **Raba-Kistner Consultants (R-K)** performed an intensive cultural resources survey for Texas Research and Technology Foundation on 100.1 acres in Medina and Bexar Counties, Texas. The archeological survey was conducted to comply with Section 106 of the National Historic Preservation Act (NHPA). The area of potential effects (APE) was defined as a 100.1 acre NBAF property.

No previous cultural resource investigations have been performed within the NBAF property; however, the 2006 Cagnon-Lytle Transmission line survey and the 2004 State Highway (SH) 211 survey were performed in the vicinity of the project area (Atlas 2007).

A total of 6 archaeological sites (5 prehistoric and 1 historic) have been recorded within a 1-mile radius of the project area. Five of these sites (41BX1683, 41ME154, 41ME155, 41BX1684, and 41BX1397) are prehistoric lithic scatters and one historic site (41BX1662) consists of a historic rock foundation. Of these 6 previously recorded sites, site (41BX1683) is located adjacent to the easternmost boundary of the NBAF property; however, no cultural materials, artifacts, or features within the APE related to site 41BX1683 were identified on the ground surface or in any of the 50 excavated shovel tests.

The intensive survey of the APE included a 100% pedestrian survey of the APE supplemented with shovel testing. The cultural resources survey resulted in negative findings. No cultural resources were identified on the ground surface or in any of the 51 shovel tests. No evidence of site 41BX1683 was observed as extending into the project area during the field survey.

Based on the lack of observed and recovered cultural materials, it is unlikely that any significant cultural resources will be impacted by the proposed project plans on the 100.1-acre NBAF tract. No additional archaeological work is recommended and cultural resource clearance has been recommended for the NBAF project.

At your earliest convenience, please review the draft copies. If you have any questions, please do not hesitate contact me at (512) 339-1745, ext. 3015. Thank you for your review.

January 18, 2008

2

Sincerely,



Pollyanna Held  
Archaeologist  
Raba-Kistner Consultants, Inc.  
Phone: (512) 339-1745, ext. 3015  
Cell: (210) 748-0938  
Email: pheld@rkci.com

Attachments (2)

**NO HISTORIC  
PROPERTIES AFFECTED  
PROJECT MAY PROCEED**  
By Mark H. Carter  
for F. Lawrence Oaks  
State Historic Preservation Officer  
Date 2-4-08  
Track# 200814K77

**DRAFT REPORT  
ACCEPTABLE**  
Please submit 20 final report copies  
by Mark H. Carter  
for F. Lawrence Oaks  
State Historic Preservation Officer  
Date 2-4-08  
Track# \_\_\_\_\_



TEXAS  
HISTORICAL  
COMMISSION

*The State Agency for Historic Preservation*

RICK PERRY, GOVERNOR

JOHN L. NAU, III, CHAIRMAN

F. LAWERENCE OAKS, EXECUTIVE DIRECTOR

July 16, 2008

James V. Johnson  
Director, Office of National Labs  
U.S. Department of Homeland Security  
Science and Technology Directorate  
Mail Stop #2100  
245 Murray Lane, SW Building 410  
Washington, DC 20528

Re: Project review under Section 106 of the National Historic Preservation Act of 1966  
National Bio- and Agro-Defense Facility, Bexar and Medina Counties (Homeland Security)

Dear Mr. Johnson:

Thank you for your correspondence describing the above referenced project. This letter serves as comment on the proposed federal undertaking from the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission.

The review staff, led by Bill Martin, has examined our records. Our records show that there are no cultural resources recorded on the tract proposed for development. However, the tract has never been surveyed for cultural resources, and occupies a landform that may contain intact archeological deposits. If the Texas Research Park location is selected for construction, we believe a professional archeologist should survey the tract prior to initiation of ground disturbing activities.

The work should meet the minimum archeological survey standards posted on-line at [www.thc.state.tx.us](http://www.thc.state.tx.us). A report of investigations should be produced in conformance with the Secretary of the Interior's Guidelines for Archaeology and Historic Preservation, and submitted to this office for review. In addition, any buildings 45 years old or older that are located on or adjacent to the tract should be documented with photographs and included in the report. You may obtain lists of archeologists in Texas on-line at: [www.counciloftexasarcheologists.org](http://www.counciloftexasarcheologists.org) or [www.rpanet.org](http://www.rpanet.org). Please note that other potentially qualified archeologists not included on these lists may be used.

Thank you for your cooperation in this federal review process, and for your efforts to preserve the irreplaceable heritage of Texas. **If you have any questions concerning our review or if we can be of further assistance, please contact Bill Martin at 512/463-5867.**

Sincerely,

for

F. Lawrence Oaks, State Historic Preservation Officer

FLO/wam



**National Historic Preservation Act,  
Executive Order 13175, Consultation and Coordination  
with Indian Tribal Governments,  
The American Indian Religious Freedom Act,  
and Executive Order 13007, Indian Sacred Sites**

In accordance with the National Historic Preservation Act and Executive Order 13175, Consultation and Coordination with Indian Tribal Governments, as well as other pertinent regulations such as, the American Indian Religious Freedom Act and the Indian Sacred Sites order (Executive Order 13007), the DHS coordinated with several American Indian tribes to help identify possible cultural resources impacts at the six alternative sites for the proposed NBAF. The tribes contacted are listed below. A sample letter sent to each of these tribes follows, along with responses received, as applicable.

#### **South Milledge Avenue Site, GA**

Three tribes in Georgia were consulted, in addition to the Georgia Council on American Indian Concerns, in accordance with direction provided by the Georgia Council on American Indian Concerns (Jenny Lovell, Tetra Tech, Inc., 4 December 2007, telephone conversation with N. McCormick, Georgia Council on American Indian Concerns).

#### **Manhattan Campus Site, KS**

Two tribes were consulted, based on information from the Kansas State Historical Society's Riley County listings (Kansas State Historic Society 2007).

#### **Flora Industrial Park Site, MS**

Ten tribes were consulted in accordance with direction provided by the Mississippi Office of the SHPO (Jenny Lovell, Tetra Tech, Inc., 4 December 2007, telephone conversation with J. Woodrick, Review and Compliance Officer, Mississippi Office of SHPO).

#### **Plum Island Site, NY**

One recognized tribe in Suffolk County, New York was consulted with direction provided by D. Mackey, Archaeologist for Suffolk County (Jenny Lovell, Tetra Tech, Inc., 6 December 2007, telephone conversation with D. Mackey, Archaeologist for Suffolk County).

#### **Umstead Research Farm Site, NC**

There are no federally recognized tribes that consider the Umstead Research Farm Site part of their ancestral lands (Jenny Lovell, Tetra Tech, Inc., 4 December 2007, telephone conversation with Gledhill-Early, Environmental Review Coordinator for Historic Preservation Office, North Carolina office of SHPO). Therefore, Native American consultation was not necessary.

#### **Texas Research Park Site, TX**

Seven tribes were consulted in accordance with direction provided by the Texas Historical Commission and the USEPA Region 6 (Jenny Lovell, Tetra Tech, Inc., 12 December 2007, telephone conversation with B. Martin, Texas Historical Commission; Jenny Lovell, Tetra Tech, Inc., 12 December 2007, telephone conversation with R. Gee, USEPA Region 6 contact for Native American Consultations).

### Summary of Tribal Consultations

Agencies and Tribes Consulted	Consultation Letter Sent	Confirmed Date Received	Summary of Consultation
<b>South Milledge Avenue Site</b>			
Georgia Council on American Indian Concerns	February 4, 2008	February 11, 2008	Consultation is ongoing.
The Lower Muskogee Creek Tribe	February 4, 2008	February 8, 2008	Consultation is ongoing.
The Georgia Tribe of Eastern Cherokee	February 4, 2008	February 8, 2008	Consultation is ongoing.
The Cherokee of Georgia Tribal Council	February 4, 2008	February 8, 2008	Consultation is ongoing.
<b>Manhattan Campus Site</b>			
Delaware Tribe of Indians	February 4, 2008	February 8, 2008	Consultation is ongoing.
Kaw Nation of Oklahoma	February 4, 2008	February 7, 2008	Consultation is ongoing.
<b>Flora Industrial Park Site</b>			
Chickasaw Nation - Governor	February 4, 2008	February 7, 2008	Consultation is ongoing.
Chickasaw Nation - Tribal Historic Preservation Officer	February 4, 2008	February 7, 2008	Consultation is ongoing.
Chickasaw Nation, Administrator of Cultural Preservation	February 4, 2008	February 7, 2008	Consultation is ongoing.
Choctaw Nation of Oklahoma - Chief Choctaw Nation of Oklahoma - Tribal Historic Preservation Officer	February 4, 2008	February 7, 2008	Letter response received on February 22, 2008. The tribe has interest in the Flora Industrial Park Site but has no objection to the proposed action.
Mississippi Band of Choctaw Indians - Chief	February 15, 2008	February 20, 2008	Consultation is ongoing.
Mississippi Band of Choctaw Indians - Tribal Historic Preservation Officer	February 15, 2008	February 20, 2008	Consultation is ongoing.
Jena Band of Choctaw Indians	February 4, 2008	February 8, 2008	Consultation is ongoing.
Quapaw Tribe of Oklahoma	February 4, 2008	February 9, 2008	Consultation is ongoing.
Tunica-Biloxi Indians of Louisiana, Inc. - Tribal Chairman/Tribal Historic Preservation Officer	February 4, 2008	February 12, 2008	Consultation is ongoing.



Agencies and Tribes Consulted	Consultation Letter Sent	Confirmed Date Received	Summary of Consultation
<b>Plum Island Site</b>			
Shinnecock Indian Nation	February 4, 2008	February 8, 2008	Consultation is ongoing.
Delaware Nation of Oklahoma (federally recognized)	February 4, 2008	February 8, 2008	Consultation is ongoing.
Shinnecock Nation (state recognized)	April 14, 2008	April 17, 2008	Consultation is ongoing.
Stockbridge-Munsee Community Band of Mohicans	February 4, 2008	February 11, 2008	Consultation is ongoing.
Unkechauga Nation	February 4, 2008	February 8, 2008	Consultation is ongoing.
<b>Umstead Research Farm Site</b>			
None			
<b>Texas Research Park Site</b>			
Apache Tribe of Oklahoma	February 4, 2008	February 7, 2008	Consultation is ongoing.
Tonkawa Tribe of Oklahoma	February 4, 2008	February 7, 2008	Consultation is ongoing.
Comanche Tribe of Oklahoma	February 4, 2008	February 7, 2008	Consultation is ongoing.
Kiowa Tribe of Oklahoma	February 4, 2008	February 12, 2008	Consultation is ongoing.
Alabama-Coushatta Tribe of Texas	February 4, 2008	February 8, 2008	Consultation is ongoing.
Kickapoo Traditional Tribe of Texas	February 4, 2008	February 7, 2008	Consultation is ongoing.
Ysleta del Sur Pueblo of Texas	February 4, 2008	February 7, 2008	Consultation is ongoing.

January 30, 2008

Beasley Denson, Chief  
P. O. Box 6010  
Philadelphia, MS 39350-6010

**Subject:** Invitation to Participate in Government-to-Government Consultation on the  
Environmental Impact Statement (EIS) for the Proposed National Bio- and Agro-  
Defense Facility (NBAF)

Dear Chief Denson:

Through this letter, the Department of Homeland Security (DHS) is inviting your participation in government-to-government consultation on the Environmental Impact Statement (EIS) to identify possible cultural resources impacts at six alternate sites in six states for the proposed National Bio and Agro-defense Facility (NBAF). DHS is charged with the responsibility and has the national stewardship mandate for detecting, preventing, protecting against and responding to terrorist attacks within the United States. These responsibilities of DHS as applied to the defense of animal agriculture are shared with the Department of Agriculture (USDA) and require development of a coordinated strategy to adequately protect the nation against biological threats to the animal agriculture. Consultations between DHS and USDA on a coordinated biodefense strategy, as called for in the Homeland Security Act of 2002, have revealed an infrastructure gap that must be filled by an integrated research, development, test and evaluation (RDT&E) infrastructure for combating bio and agro terrorism threats. The Science and Technology (S&T) Directorate is responsible for filling the gap in our biocontainment infrastructure as defined by the related homeland security efforts of DHS and USDA. The proposed NBAF will enable DHS to fulfill its mission of detecting, preventing, protecting against and responding to bioterrorist attacks within the United States.

The Plum Island Animal Disease Center (PIADC) has historically conducted much of the research that would be conducted at the NBAF. The Homeland Security Act of 2002 recognized that protection of U.S. agriculture is a critical element of Homeland Security and transferred ownership of PIADC from USDA to DHS in 2003. Recognizing the growing need for veterinary countermeasures to protect this Nation's agricultural sector and recognizing the limitations posed by the current PIADC facility to meet this requirement, Homeland Security Presidential Directive 9 (HSPD-9), "Defense of United States Agriculture and Food", directs that the "Secretaries of Agriculture and Homeland Security will develop a plan to provide safe, secure, and state-of-the-art agriculture biocontainment laboratories that research and develop diagnostic capabilities for foreign animal and zoonotic diseases." Furthermore, HSPD-9 requires that DHS, USDA and others will "accelerate and expand development of current and new countermeasures against the intentional introduction or natural occurrence of catastrophic animal, plant, and zoonotic diseases." The Secretary of Homeland Security is responsible for coordinating these activities.

Based on bio- and agro-defense mission requirements as well as facility limitations at Plum Island, such as its lack of any Bio-Security Level 4 (BSL-4) space, the need was identified to enhance the U.S. Government's current research capabilities in the animal agricultural field to meet the requirements of HSPD-9. DHS therefore began exploring potential sites, including Plum Island, for a proposed new national research and development (R&D) Bio-Safety Level 4 asset, the proposed NBAF. The publication in the *Federal Register* on July 31, 2007 of the Notice of Intent (NOI) to prepare an Environmental Impact Statement (EIS) began the National Environmental Policy Act (NEPA) process for the proposed NBAF.

The NBAF EIS is being prepared pursuant to NEPA, the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act (AIRFA), the Indian Sacred Sites Order (Executive Order 13007), and other general authorities and directives of DHS. It will provide

DHS's decision maker, the Under Secretary for Science & Technology, with important environmental and public health information for use in the overall decision making process. Relying on the analytical results presented in the EIS as well as cost, engineering feasibility, and other programmatic considerations that are not part of the EIS, DHS intends to decide whether to construct and operate a new NBAF and whether to locate the NBAF at one of six alternative sites being considered. These are listed below and are shown on the attached location maps.

1. South Milledge Avenue, Athens, Georgia
2. Manhattan Campus, Manhattan, Kansas
3. Flora Industrial Park, Flora, Mississippi
4. Plum Island, New York
5. Umstead Research Farm, Butner, North Carolina
6. Texas Research Park, San Antonio, Texas

Cultural resource investigations have been conducted at the Georgia, Mississippi, and Texas sites as part of this undertaking. Currently, only the Mississippi State Historic Preservation Office (SHPO) has concurred that no known cultural resources listed in or eligible for listing in the National Register of Historic Places would be affected within the proposed NBAF site and that they have no objections with the proposed action. The Georgia and Texas SHPOs have not yet concurred with the findings of the studies. The following summarizes the findings of these investigations:

- A survey conducted for the proposed undertaking at the Georgia site identified 11 previously undocumented archaeological sites. Ten of the sites were recommended by the consultant as ineligible for the National Register of Historic Places (NRHP). The eleventh site, a prehistoric lithic scatter located outside of the area of direct impact might have research potential, but additional archeological testing is needed to determine if it is eligible to the NRHP. This site apparently will not be affected by the proposed project because it lies outside of the main construction zone. The Historic Preservation Division of Georgia's Department of Natural Resources will make a final determination if this site is selected and after a construction permit application is submitted.
- An intensive cultural resources survey was conducted within the proposed Texas NBAF site. Based on the lack of observed and recovered cultural materials, it is unlikely that any significant cultural resources would be impacted. Therefore, based on the lack of observed and recovered cultural materials the cultural resources contractor is recommending no further cultural resource work be conducted and that clearance for the NBAF project be approved.

Consultations were initiated with the SHPOs of Kansas and North Carolina, but no field studies have been conducted at these sites for the proposed undertaking. The following summarizes these consultations:

- The Kansas SHPO has no objection to the proposed undertaking, but will require a cultural resources investigation of the area of potential effect should the site be selected. If the Kansas site is chosen, the SHPO will need to review the project when final construction plans have been prepared.
- The files of the North Carolina SHPO do not indicate the presence of historic buildings or archaeological sites within the project area. Additionally, the SHPO states that there is a low probability for the site to contain any NRHP-eligible sites based on the topography and location. As such, the North Carolina SHPO would not require any cultural resource investigations for the proposed undertaking.

Past studies conducted at the New York site, Plum Island, indicate the presence of historic buildings; however, no archaeological surveys or other investigations have been conducted for



the proposed undertaking and consultation with the New York SHPO has not yet taken place. A site-specific survey and coordination with the New York SHPO will be conducted in the near future and prior to selection of the final alternative.

The DHS is the lead federal agency in preparing the EIS. Preparation and implementation of the EIS will proceed over the next several months in a multi-step process that will include data gathering and analysis, consultation, and the preparation and publication of a Draft EIS, Final EIS, and Record of Decision (ROD) by the DHS. A Notice of Intent was published in the Federal Register on July 31, 2007 by the DHS and scoping letters and Notice of Intent postcards were sent to stakeholders in July 2007. Eight meetings were held in August and September 2007 at the following locations: Old Saybrook, CT; Southold, NY; Manhattan, KS; Flora, MS; Washington, DC; San Antonio, TX; Creedmoor, NC; and Athens, GA. A scoping report summarizing the results of this effort will be available from DHS after January 11, 2008. The Draft EIS is scheduled to be released in the spring of 2008.

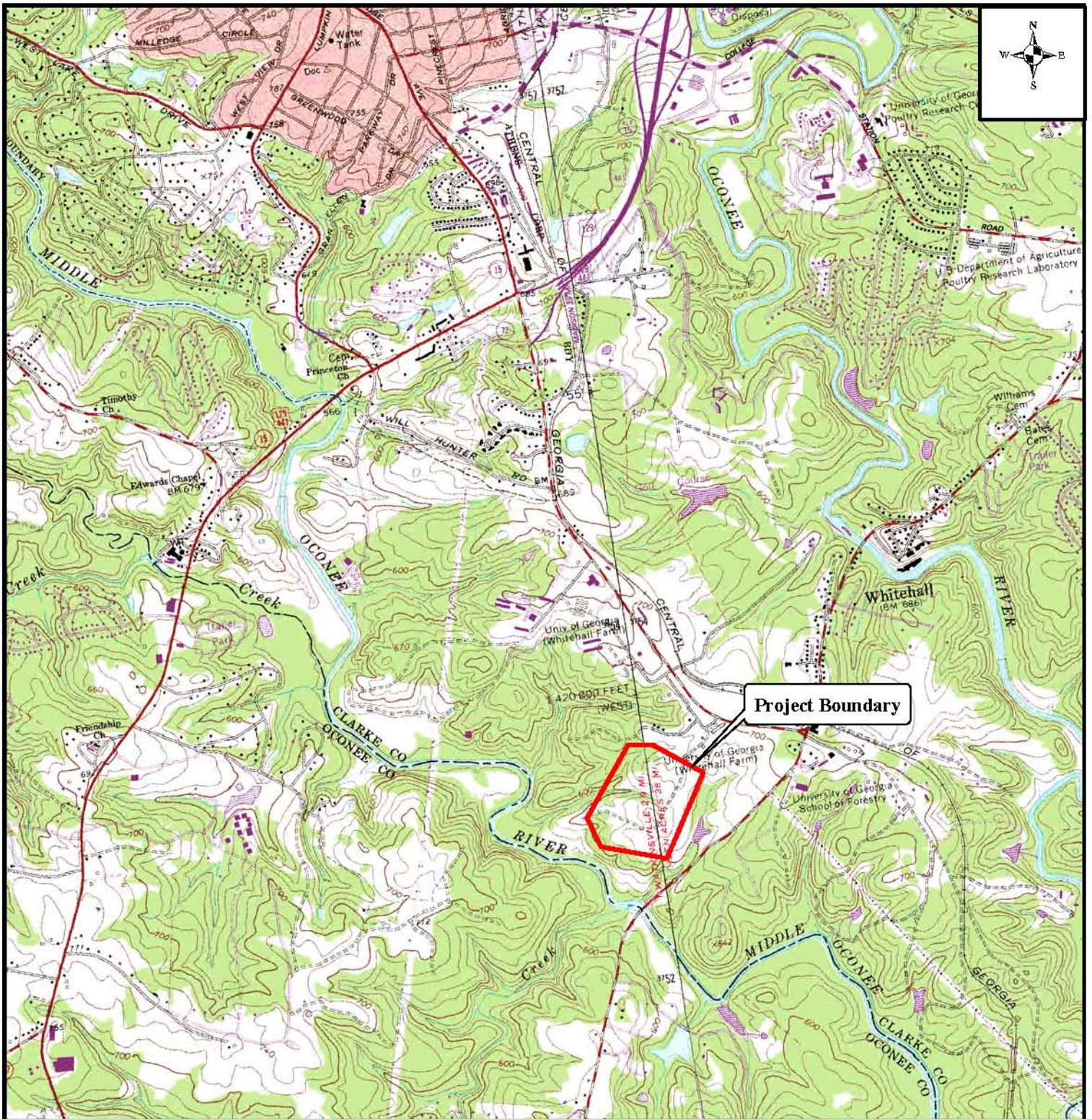
If you are interested in receiving more information or wish to be consulted, please let us know by March 15, 2008 so that we may begin this process. The designated agency contact for the DHS is James V. Johnson, U.S. Department of Homeland Security, Science and Technology Directorate, Mail Stop #2100, 245 Murray Lane, SW, Building 410, Washington D.C. 20528.

Thank you for your consideration. We look forward to our interaction and discussion.

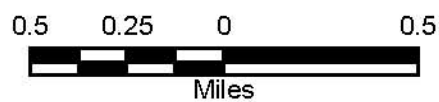
Sincerely,  
Department of Homeland Security

Enclosures





### Project Location



### Figure 1. Project Location of Proposed NBAF, Athens, Georgia.

Client:

Prepared By:

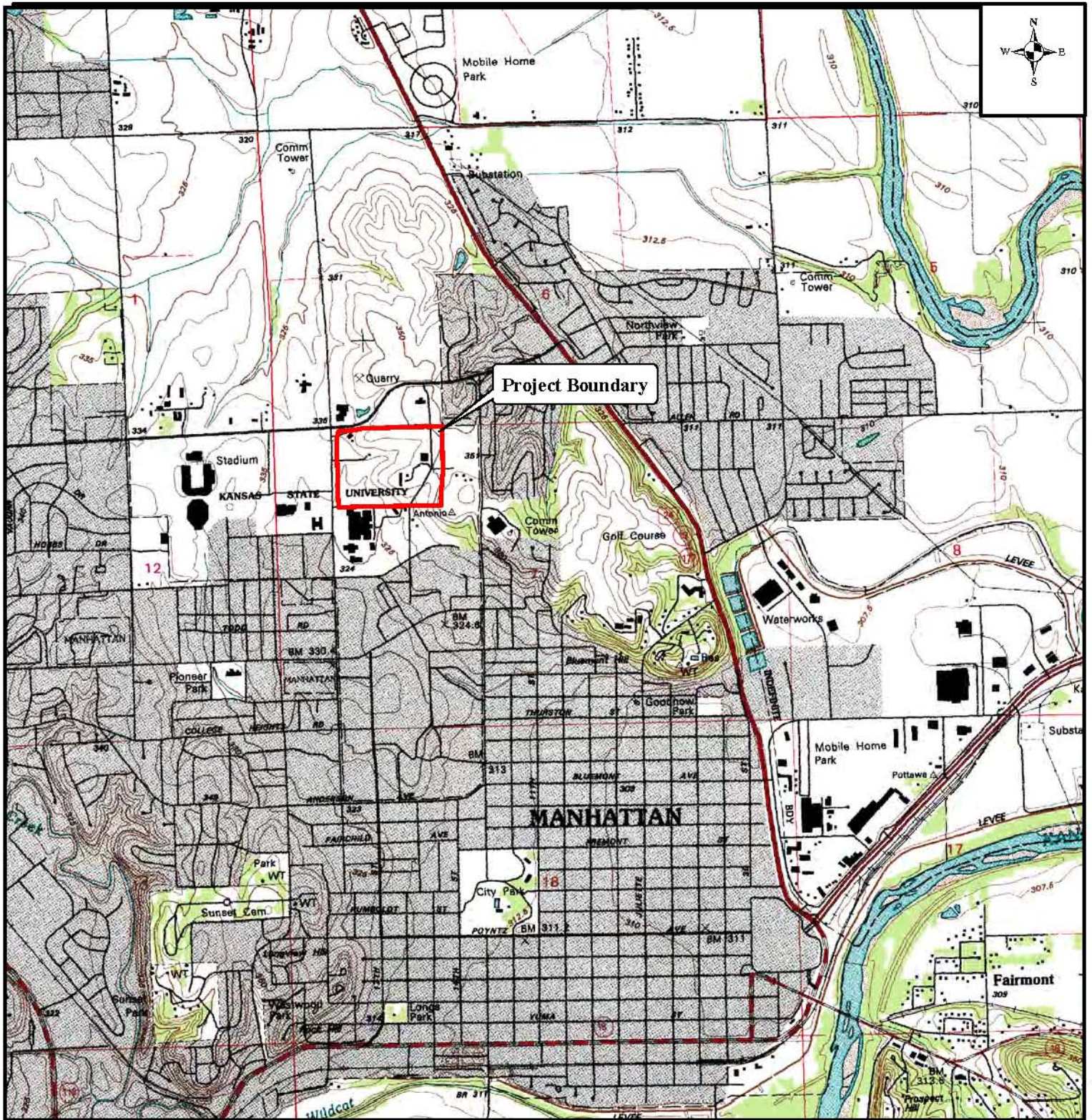
**Tt** TETRA TECH, INC.

Date:

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Source: USGS 7.5' Series Topographic Quadrangles, Athens East, GA, 1964, photorevised 1984, & Athens West, GA, 1964, Photorevised 1986.

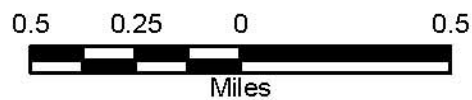




### Project Location



KANSAS



**Figure 1. Project Location of  
Proposed NBAF,  
Manhattan, Kansas.**

Client:

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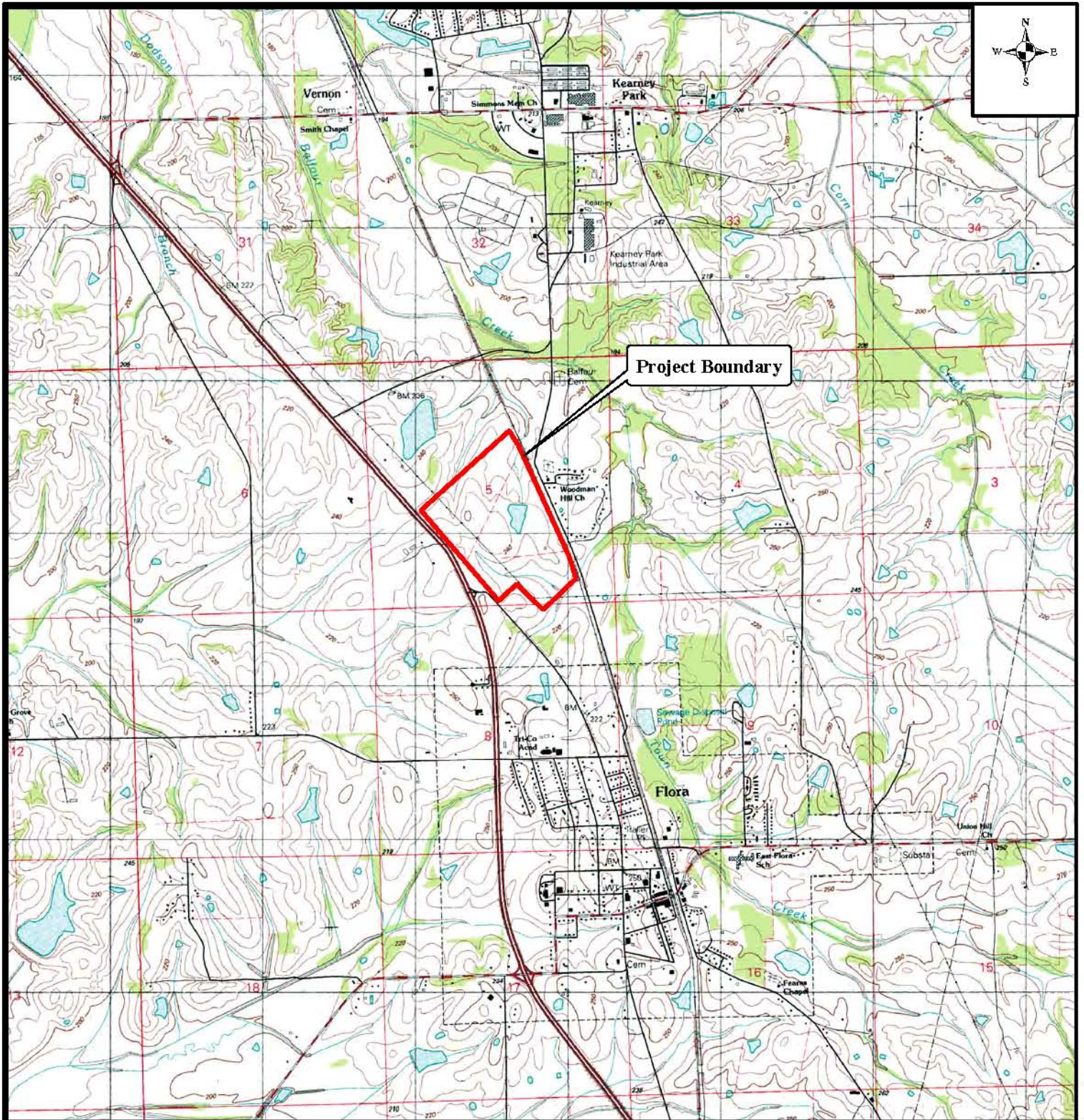
By: **Tt** TETRA TECH, INC.

Date:

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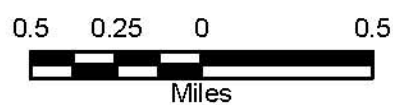
Source: USGS 7.5' Series Topographic Quadrangle,  
Manhattan, KS, 1991





### Project Location

Source: USGS 7.5' Series Topographic Quadrangle, Flora, MS, 1988.



**Figure 1. Project Location of Proposed NBAF, Flora, Mississippi.**

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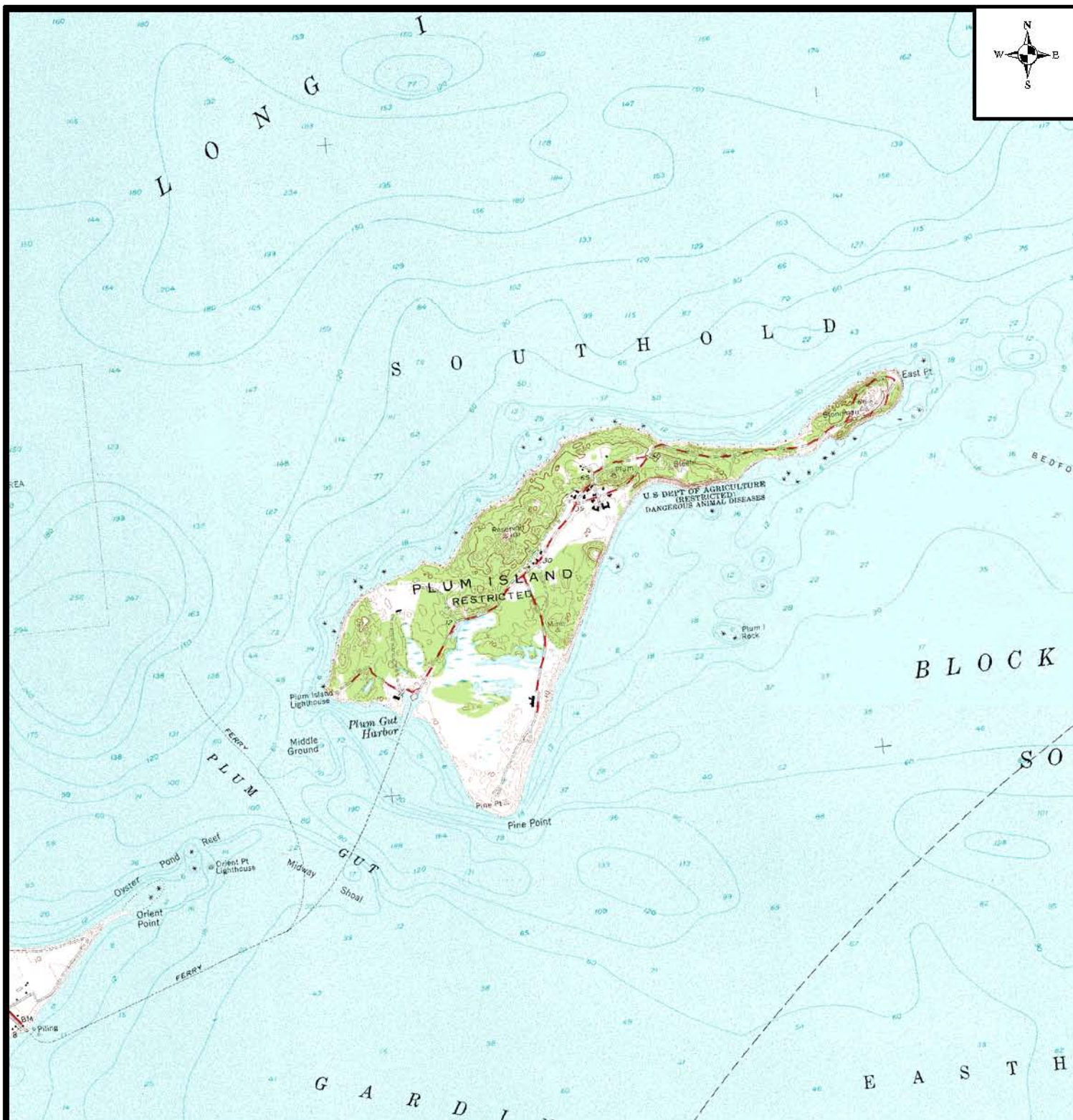
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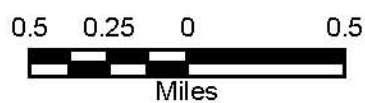
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### Project Location

Source: USGS 7.5' Series Topographic Quadrangle, Florida, MS, 1988.



### Figure 1. Project Location of Proposed NBAF, Plum Island, New York

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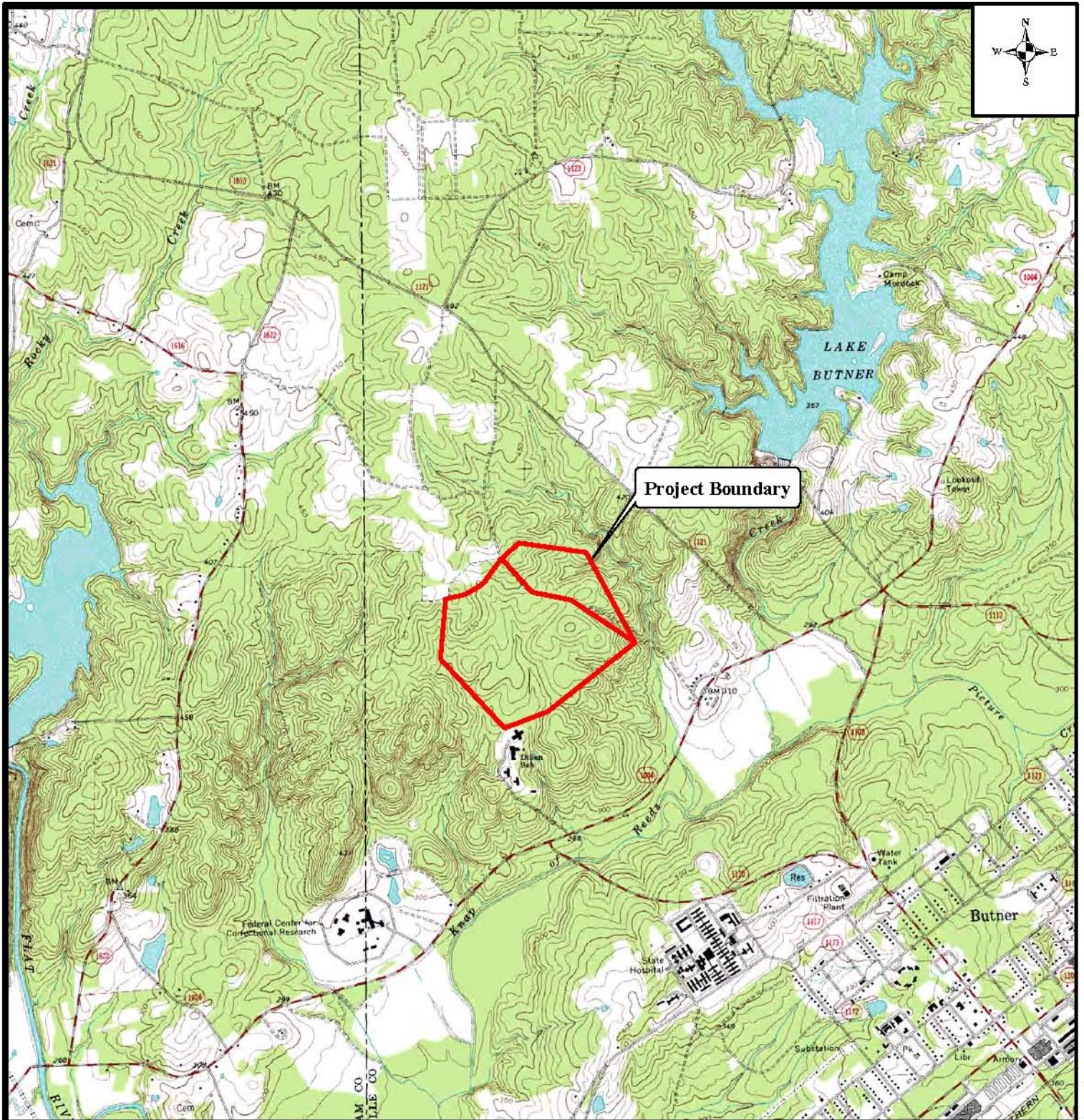
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**Tt** TETRA TECH, INC.

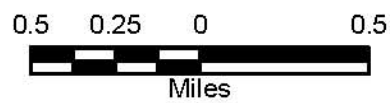
Date:

01/08





### Project Location



**Figure 1. Project Location of  
Proposed NBAF,  
Butner, North Carolina.**

Client:

Prepared

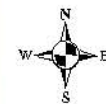
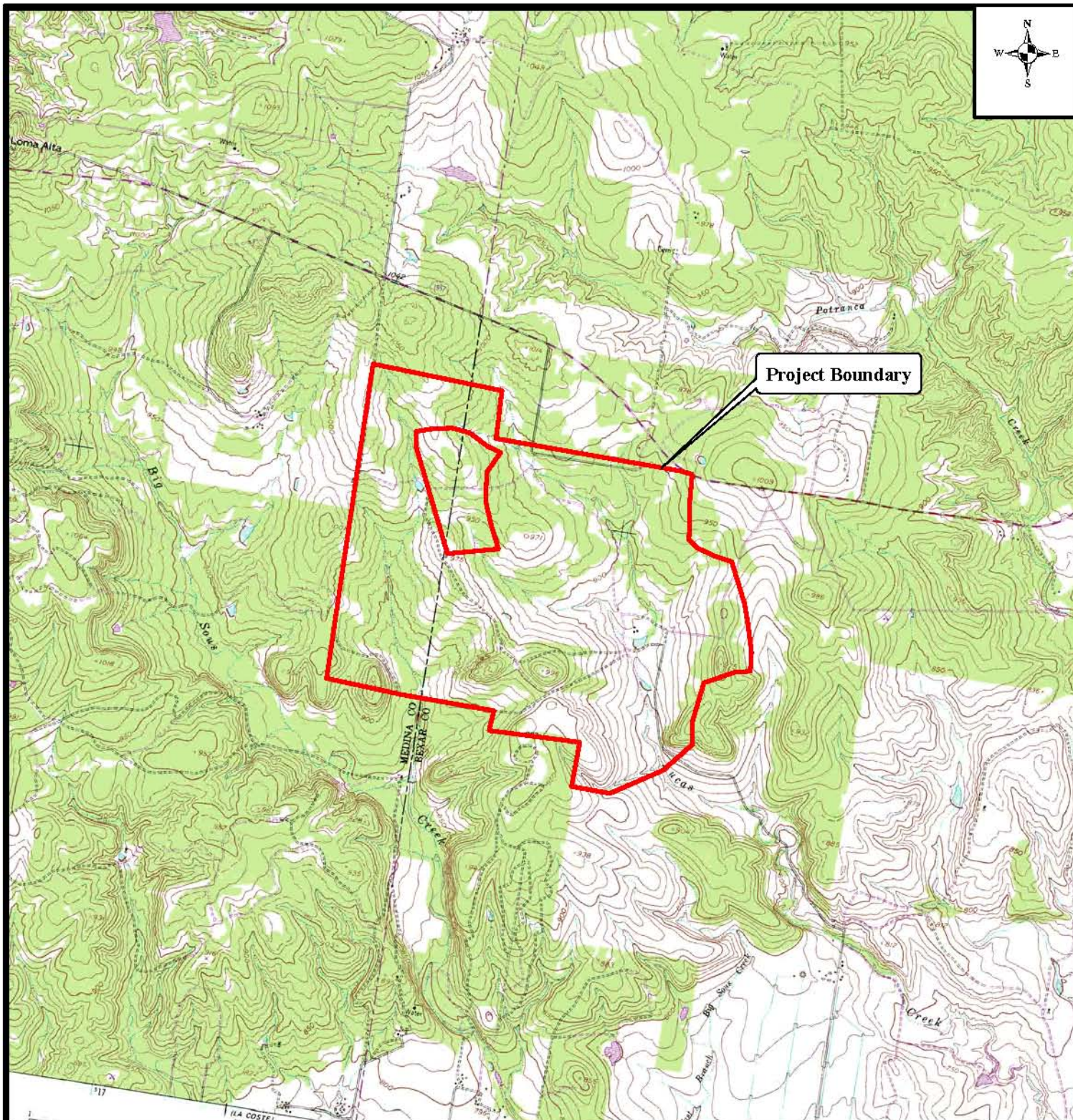
By: **Tt** TETRA TECH, INC.

Date:

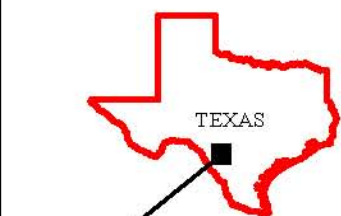
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Source: USGS 7.5' Series Topographic Quadrangle,  
Lake Michie, NC, 1977, Photorevised 1990.



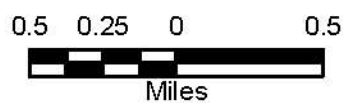


Project Boundary



**Project Location**

Source: USGS 7.5' Series Topographic Quadrangle,  
Culebra Hill, Texas, 1993, La Coste NE, Texas, 1958,  
Photorevised 1982.



**Figure 1. Project Location of  
Proposed NBAF,  
San Antonio, Texas**

Client:

Prepared  
By:

**Tt TETRA TECH, INC.**

Date:

01/08





# Choctaw Nation of Oklahoma

P.O. Box 1210 • Durant, OK 74702-1210 • (580) 924-8280

Gregory E. Pyle  
Chief

Gary Batton  
Assistant Chief

February 22, 2008

Ian Rosenblum  
Safety, Health, Environmental, & Energy Mgr.  
U.S. Dept. of Homeland Security, Business Operations Div.  
Mail Stop #2100, 245 Murrah Avenue, SW, Bldg 410  
Washington D.C. 20528

Dear Ian Rosenblum:

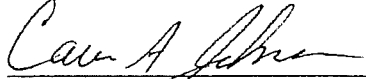
We have reviewed the following proposed project (s) as to its effect regarding religious and/or cultural significance to historic properties that may be affected by an undertaking of the projects area of potential effect.

Project Description: Invitation to Participate in Government-to Government  
Consultation on the EIS for the Proposed National Bio-  
and-Agro-Defense Facility

Comments: After further review of the above-mentioned project (s), The Choctaw Nation of Oklahoma has interest in only the site located in Flora, Mississippi. This office has concurred with the Mississippi State Historic Preservation Office, that no known cultural resources listed in or eligible for listing in the National Register of Historic Places would be affected within the proposed NBAF site. Therefore, we have no objections with the proposed action. If you have any questions, please call the Choctaw Historic Preservation Office at 1-800-522-6170 ext. 2137.

Sincerely,

Terry D. Cole  
Tribal Historic Preservation Officer  
Choctaw Nation of Oklahoma

By:   
Caren A. Johnson  
Administrative Assistant

CAJ: vr